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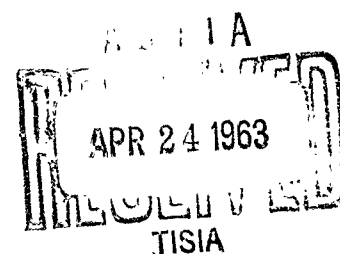
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BIBLIOGRAPHY ON LEPTOSPIROSIS
SUPPLEMENT, 1957 to 1962

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CONTENTS

| | |
|---|----|
| I. GENERAL. | 5 |
| II. ISOLATION DIAGNOSIS. | 7 |
| III. CULTURE MEDIA AND MORPHOLOGY | 7 |
| IV. NUTRITION AND METABOLISM: ENZYMES | 9 |
| V. CLINICAL PICTURE: CASE HISTORIES. | 10 |
| VI. HUMAN PATHOLOGY. | 13 |
| VII. VARIATIONS | 15 |
| VIII. SEROLOGY AND ANTIGENIC STRUCTURE | 15 |
| IX. VIRULENCE. | 21 |
| X. EFFECT OF PHYSICAL AGENTS. | 22 |
| XI. EFFECT OF CHEMICAL AGENTS. | 22 |
| XII. IMMUNIZATION, VACCINES, AND PROPHYLAXIS. | 24 |
| XIII. CHEMOTHERAPY | 25 |
| XIV. ANIMAL SOURCES AND ANIMAL PATHOGENICITY. | 27 |
| XV. ANIMAL PATHOLOGY | 36 |
| XVI. INSECT VECTORS | 37 |
| XVII. AVIAN. | 37 |
| XVIII. METHODOLOGY. | 37 |
| XIX. STAINING AND DRYING. | 39 |
| XX. GENERAL EPIDEMIOLOGY | 39 |
| XXI. LABORATORY INFECTION | 43 |
| XXII. EPIDEMIC COUNTRIES | 44 |
| A. Africa | 44 |
| B. Australia, New Zealand and Queensland. | 45 |

| | |
|--------------------------------------|----|
| C. Bulgaria | 45 |
| D. Canada | 46 |
| E. Czechoslovakia | 47 |
| F. France | 49 |
| G. Germany | 50 |
| H. Great Britain | 51 |
| I. Hungary | 51 |
| J. India | 53 |
| K. Israel | 53 |
| L. Italy | 54 |
| M. Japan | 55 |
| N. Poland | 56 |
| O. Rumania | 57 |
| P. South America | 58 |
| Q. United States | 59 |
| R. U.S.S.R. | 61 |
| S. Yugoslavia | 77 |
| T. Miscellaneous Countries | 78 |
| Author Index | 82 |

I. GENERAL

- 1
Alston, J.M.
Recent Developments in Leptospirosis, Proc Roy Soc Med, 54:1:61-67, 1961.

Biol Abstr, 36:14:45490, July 15, 1961.
- 2
*Alston, J.M.; and Broom, J.C.
Leptospirosis in Man and Animals, Livingstone, Edinburgh, 1958. (376 p. 836 references)
616.95 A46L

Bull Hyg, 33:9:899, September 1958 (Book rev)
- 3
Beeson, P.B.
The Leptospiroses. In: Cecil, R.L.; and Loeb, R.F., eds, A Textbook of Medicine, 10th ed, Saunders, Philadelphia, 1959. (p. 344-347)
610 C38t
- 4
*Bocker, D.
Leptospirosis. A Bibliography of Literature 1957-1959, U.S. Natl. Library Med., November 1959.
016.61695 U58L
- 5
*Burrows, W.
Textbook of Microbiology, 17 ed., Saunders, Philadelphia, 1959.
616.01 B97m
- 6
*Cousineau, J.G.; and McKiel, J.A.
In vitro Sensitivity of *Leptospira* to Various Antimicrobial Agents, Can J Microbiol, 7:5:751-758, October 1961.
- 7
*Edwards, G.A.
Human Leptospirosis. A Review, Medicine, 39:117-156, 1960.

Index Vet, 28:4:92, July 1961.
- 8
Fairbrother, R.W.
A Text-book of Bacteriology, 8th ed., Heinemann, London, 1959.
- 9
Flamm, H.
Die pranatalen Infektionen des Menschen, Stuttgart, Thiema, 1959. (In German)
- 10
*Fuchs, G.H.P.; and Walther, H.
Beitrage zur Leptospirenzuchtung. II., Zentr Bakteriол Parasitenk Abt I Orig, 175:570-581, 1959.

Zentr Bakteriол Parasitenk Ref, 174:13/16:161-162, 1960.
- 11
*Fuзи, M.; and Csoka, R.
Uber die Einordnung der *Leptospira* Leeds in das System, Zentr Bakteriол Parasitenk Abt I Orig, 178:2:222-228, 1960.
- 12
Guida, V.O.
Leptospirosis, Biologico, 25:115-120, 1959.
- 13
Hanson, L.E.
Bovine Leptospirosis. A Review, J Dairy Sci, 43:4:453-462, April 1960.
- 14
*Interprofessional Symposium on Leptospirosis, Vet Med, 52:11:515-516, 1957.
- 15
*Johnston, R.V.
Leptospirosis, Mod Vet Practice, 39:17:30-31, October 1958.
- 16
*Kalz, G.
The Human Leptospiroses. A Review, Amer J Med Sci, 233:3:320-333, 1957.

- 17
Leptospiroses, Rapp Inst Pasteur Viet-Nam, 1957:16-17, 1957.
Excerpta Med, IV:12:7:2085, July 1959.
- 18
*Leptospirosis.
Lancet, 1:7138:1333-1334, June 1960.
- 19
*Lovell, R.
The Aetiology of Infective Diseases: With Special Reference to the Subsidiary and Important Nonspecific Factors, Michigan State Univ Press, Lansing, Michigan, 1959.
616.9 L89a
- 20
*Martin, D.S.
Leptospirosis: A Contemporary Problem; Introduction, Ann N Y Acad Sci, 70:391-392, 1958.
- 21
Mascaro, L.A.
Leptospira Infection in Equine Periodic Ophthalmia. A Bacteriological Study, Rev Vet Militar (Buenos Aires), 5:3-10, 1957.
Vet Bull, 27:2626, 1957.
- 22
*Menges, R.W.
Control of Leptospirosis in Man and Animals, Public Health Repts, 74:2:141-148, February 1959.
- 23
*Murphy, L.C.; and Alexander, A.D.
Significance of the Leptospirosis in Military Medicine, Vet Med, 52:11:556-561, 1957.
- 24
*Norval, J.
Leptospirosis in Pigs and Man, Vet Record, p. 470, June 7, 1958.
Also J Amer Vet Med Assoc, 133:7:362, October 1958.
- 25
Parnas, J.
Results of the General Investigation of the Scientific Expeditions on the Leptospiroses for the Years 1954, 1955, 1956 and 1957, Arch Inst Pasteur Tunis, 35:3/4:275-300, 1958.
Biol Abstr, 33:11:42312, July 1959.
- 26
Ristic, M.; Galton, M.M.; Sanders, D.A.; and Steele, J.H.
Leptospirosis, Ann Rept Exptl Sta Univ Florida, p. 146, 1956.
Vet Bull, 28:2766, 1958.
- 27
*Stockard, J.L.; and Woodward, T.E.
Leptospirosis: Infections in Man, Vet Med, 52:11:548-552, November 1957.
Also Ann N Y Acad Sci, 70:414-420, 1958.
- 28
Thiel, P.H. van; and Engelbrecht, E.
The Mode of Infection of Man with Pathogenic Leptospirae, Acta Leidensia Scholae Med Trop, 28:130-135, 1958.
Abstr World Med, 25:5:1004, May 1959.
- 29
*U.S. Army Medical Service Graduate School, Walter Reed Medical Center.
Leptospiroses, by Robert H. Yager, Med Sci Publ, #4:330-338, 1953.
616.082 U58r
- 30
U.S. Army Medical Service Graduate School, Walter Reed Medical Center.
Symposium on the Leptospiroses, Med Sci Publ, #1, December 11-12, 1952, (1953).
- 31
Wolff, J.W.; and Broom, J.C.
Classification of the Genus Leptospira noguchi 1917 with a Note on the Authenticity of Leptospira Strains, Proc Sixth Intern Cong Microbiol, 5:42-43, 1955.

- 32
Wylie, J.A.H.; and Williams, R.V.
Leptospirosis: A Review, Med Press, 236:6:140-143; 236:7:157-162, 1956.

- 33
*York, C.J.
Leptospirosis, Vet Med, 53:1: 25-26, 1958.

II. ISOLATION DIAGNOSIS

- 34
Antunovic-Mikacic, S.
Microbiological Diagnosis of Leptospirosis, Higijena, 12:1:68-82, 1960. (In Serbian)

Biol Abstr, 36:23:81532, December 1, 1961.

- 35
*Freeman, A.
Simplified Leptospirosis Diagnosis, Vet Med, 79:12:589-591, 1957.
Vet Bull, 28:291, 1958.

- 36
*Going, R.F.
Diagnosis of a Case of Canine Leptospirosis. Veterinarian, 18:2: 121, 1958.

- 37
*Menges, R.W.; Galton, M.M.; and Hall, A.D.
Diagnosis of Leptospirosis from Urine Specimens by Direct Culture Following Bladder Tapping, J Amer Vet Med Assoc, 132:2:58-60, January 15, 1958.

- 38
Menges, R.W.; Rosenquist, B.D.; and Galton, M.M.
A Method for the Isolation of Leptospire from Voided Urine by Direct Culture, J Amer Vet Med Assoc, 137: 313-316, September 1960.

- 39
*Muraschi, T.F.
A Simple Screening Test for the Detection of Leptospirosis in Human Beings and Animals, Amer J Public Health, 49:1074-1078, August 1959.
Excerpta Med, IV:13:3:954, March 1960.

- 40
Portwich, F.; and Knothe, H.
Detection and Treatment of Leptospirosis, Internist (Berl), 2:322-330, June 1961. (In German)

- 41
Robinson, C.R.
The Use of Ancillary Laboratory Tests in Leptospirosis, with Particular Reference to the Diagnosis of the Mild Case, J Clin Pathol, 10:4: 322-326, November 1957.

- 42
Sturdza, N.; and Elian, M.
Laboratory Diagnosis of Leptospirosis, Microbiol Parazitol Epidemiol, 6:2:161-176, 1961.
Biol Abstr, 36:19:65184, October 1, 1961.

III. CULTURE MEDIA AND MORPHOLOGY

- 43
Babudieri, B.; and Castelli, M.
Morphology of 'Celledoni' Leptospira, Rend Ist Super Sanita, 2:7-8: 698-700, 1958.
Excerpta Med, IV:12:10:3158, October 1959.

- 44
*Bajocchi, E.
Investigation of a Possible Action of Leptospira on Different Bacteria, Acta Pathol Microbiol Scand, 40:1: 59-60, 1957.
Excerpta Med, IV:10:2631, 1957.

45

Boyd, F. M.
Studies on the Physiology and Pathogenesis of Leptospira pomona, Ph.D. Thesis, Univ Wisconsin, 1959.

Dissertation Abstr, 19:11:2716, 1959.

46

*Cox, C.D.; and Larson, A.D.
Colonial Growth of Leptospirae,
J Bact, 73:4:587-589, April 1957.

47

*Ellinghausen, H.C., Jr.
Further Observations on Some Cultural Characteristics of Leptospira pomona, Bact Proc, p. 33, 1960.

48

*Ellinghausen, H.C., Jr.
Some Observations on Cultural and Biochemical Characteristics of Leptospira pomona, J Infectious Diseases, 106:3:237-244, May-June 1960.

49

Gangel, G.; and Themann, H.
Electron Microscopical Study of the Developmental Stages of Leptospirae,
Arch Hyg, 140:559-568, 1956.
(In German)

Vet Bull, 27:3529, 1957.

50

*Ivler, D.
Observations on the Growth and Respiration of Leptospira biflexa,
Bact Proc, p. 164, 1960.

51

*Kirschner, L., and Graham, L.
Growth, Purification and Maintenance of Leptospira on Solid Media,
Brit J Exptl Pathol, 40:57-60, 1959.

Vet Bull, 30:8:2489, August 1960.

52

*Larson, A.D.; and Edwards, C.L.
The Validity and Use of Plate Counts in the Study of Growth of Pathogenic Leptospirae, Bact Proc, p. 54, 1958.

53

*Larson, A.D.; Treick, R.W.; Edwards, C.L.; and Cox, C.
Growth Studies and Plate Counting of Leptospirae, J Bact, 77:3:361-366, March 1959.

54

*Menges, R.W.; and Galton, M.M.
Direct Cultural Methods for the Isolation of Leptospirae from Experimentally Infected Guinea Pigs, Amer J Vet Research, 22:91:1085-1092, November 1961.

55

Parnas, J.; Feltynowski, A.; Burdzy, K.; Lazuga, K.; and Koslak, A.
Morphology of Leptospirae in the Electron Microscope, Bull Acad Pol Sci, 6:7:293-298, 1958.

Excerpta Med, IV:12:7:2084, July 1959.

56

Shimizu, T.; Yanagawa, R.; Hiramune, T.; Fujita, J.; and Ishii, S.
Cultural Studies on Leptospirae.
III. A Comparison Between Cox's and Korthof's Media for Cultivation of Leptospirae, Bull Natl Inst Animal Health, Tokyo, #39:175-183, 1960.
(In English)

Vet Bull, 30:12:3845, December 1960.

57

*Smith, C.E.G.; and Turner, L.H.
The Effect of pH on the Survival of Leptospirae in Water, Bull World Health Organization, 24:1:35-43, 1961.

58

*Takeya, K.; Mori, R.; and Toda, T.

Studies on the Structure of *Leptospira* as Revealed by the Electron Microscope, Japan J Microbiol, 1:2: 99-104, April 1957. (In English)

59

*van Riel, J.; van Sande, M.; and van Riel, M.

Microelectrophoresis in Agar of Leptospiral Extracts, Compt rend, 250:19:3235-3237, May 9, 1960. (In French)

60

*Varpholomeeva, A.A.; et Stanislavsky, E.S.

Recherches sur la Morphologie des Leptospires a l'Aide du Microscope Electronique, Ann Inst Pasteur, 94:3:361-366, 1958. (In French)

Excerpta Med, IV:11:3463, December 1958.

61

*Woratz, H.

Growth of *Leptospira canicola* in the Presence of Fatty Acids, Zentr Bakteriell Parasitenk Abt I Orig, 169:269-274, 1957. (In German)

Misc Trans #490.

62

*Woratz, H.

Protein-free Media for *Leptospira canicola*, Zentr Bakteriell Parasitenk Abt I Orig, 162:106-111, 1955.

Misc Trans #491.

63

Yanagawa, R.; Hiramuné, T.; and Ishii, S.

Cultural Studies on Leptospirae. II. On a Factor for Colonial Growth of Leptospirae, Japan J Vet Sci, 21: 4:221-227, 1959. (In English)

Biol Abstr, 35:15:41863, August 1960.

64

*Yanagawa, R.; and Wilson, J.B.

Two Types of Leptospirae Distinguishable by Their Growth in Boiled Serum Medium, J Infectious Diseases, 110:1:70-74, January-February 1962.

65

Zipplies, G.

Cultivation of Leptospirae, Arch Exptl Vetmed, 12:178-192, 1958.

Vet Bull, 29:1006, April 1959.

IV. NUTRITION AND METABOLISM: ENZYMES

66

Babudieri, B; and Zardi, O.

Study of the Metabolism of Leptospirae. II. The Action of Cyanocobalamin, of Some B₁₂-like Factors, of Methionine and of Some Purines, on Water Leptospirae, Rend Ist Super Sanita, 22:3:244-259, 1959.

Biol Abstr, 34:4:10751, November 1959.

67

Bertok, L.; and Kemenes, F.

The Lipase System of Leptospira. I. Tributyrinase Activity, Acta Microbiol Acad Sci Hung, 7:251-259, 1960.

Chem Abstr, 55:13:12532e, June 26, 1961.

68

*Faine, S.

Iron as a Growth Requirement for Pathogenic Leptospira, J Gen Microbiol, 20:2:246-251, April 1959.

69

*Gerhardt, M.R.; and Ball, M.

G. Amino Acid Utilization by *Leptospira canicola*, J Bact, 77:1:17-22, January 1959.

70

Johnson, R. C.
The Function of Rabbit Serum in the
Nutrition of Leptospira pomona, Ph.D.
Thesis, Univ Wisconsin, 1960.

Dissertation Abstr, 21:3:428, 1960.

71

*Johnson, R.C.; and Wilson, J.B.
Nutrition of Leptospira pomona,
J Bact, 80:3:406-411, September 1960.

72

*Milloux, M.; and Kolochine-Erber,
B.
Study of the Metabolism of Lepto-
spira. Test of Chemically Defined
Medium, Ann Inst Pasteur, 100:3:
390-395, March 1961. (In French)

73

*Markovetz, A.J., and Larson, A.D.
Transamination in Leptospira bi-
flexa, Proc Soc Exptl Biol Med, 101:
4:638-640, August-September 1959.

74

*Parnas, J.; Koslak, A.; and Kru-
kowska, M.
Studies on Leptospiral Lipase,
Zentr Bakteriell Parasitenk Abt I
Orig, 180:3:386-389, 1960.

Excerpta Med, IV:14:9:2467, Sept-
ember 1961.

75

Tolgyesi, G.
Paper-electrophoresis of Serum Pro-
teins. I. Leptospirosis and Tetanus,
Acta Vet Acad Sci Hung, 9:43-54, 1959.

Vet Bull, 30:4:988, April 1960.

76

*Vaneseltine, W.P.; and Staples,
S.A.
Nutritional Requirements of Lepto-
spira. I. Studies on Oleic Acid as
a Growth Factor for a Strain of Lepto-
spira pomona, J Infectious Diseases,
108:3:262-269, May-June 1961.

V. CLINICAL PICTURE: CASE HISTORIES

77

Albuquerque, F.J.M.; Meira, J.A.;
and Neto, V.A.
Leptospirosis by "Leptospira grippo-
typhosa": On a New Human Case Diag-
nosed in Sao Paulo, Rev Inst Med Trop
Sao Paulo, 1:3:214-218, 1959.
(English Summary)

Biol Abstr, 36:14:45489, July 15, 1961.

78

*Ammons, J.; Galton, M.M.;
Starr, L.E.; Menges, R.W.; and
LeMaistre, C.
Human Leptospiral Infection Due to
One of the Leptospira australis A
Group: Report of a Case in the United
States, Southern Med J, 52:8:900-
902, August 1959.

79

Baguena Candela, R.; Sanchis-Bayarri,
V.; and Sanchis-Bayarri, V.V.
Meningoencephalitic Syndrome of
Leptospirosis. Clinical and EEG
Study, Med Espan, 34:358-364, 1955.

Excerpta Med, VI:11:5187, 1957.

80

Beck, G.
Simulation of the Acute Abdomen in 2
Cases of Leptospirosis pomona, Helvet-
ica Med Acta, 26:5:725-727, 1959.

Excerpta Med, VI:15:2:929, February
1961.

81

Boyd, D.H.A.
Leptospirosis canicola Presenting as
Pneumonia, Brit J Diseases Chest,
54:1:91-92, January 1960.

Bull Hyg, 35:10:1009, October 1960.

82

Brandis, H.
Leptospirosis Caused by L. saxkoeb-
ing, Klin Wochschr, 34:19-20:521-523,
1956.

Excerpta Med, XVII:3:2370, 1957.

- 83
Busila, V.T.; Pop, C.; Vasilescu, I.; Topciu, V.I.; Popian, R.; Cucuruz, L.; Alexandrescu, R.; Isacson, I.; Son, C.; Cravcevschi, V.; Zilberman, L.; Fitarau, A.; and Jicman, M.
The Clinical Aspects of Leptospirosis, Stud Cercet Inframicrobiol, 8:2:259-280, 1957.
Excerpta Med, IV:12:571, 1959.
- 84
Chung Huei-Lan; Ch'iu Fu-Hsi; Wu Hsueh-Tsung, Hou Tsung-Ch'ang; and K'uang Ch'i-Hung.
Leptospirosis. A Clinical and Statistical Study of 182 Cases, Chinese Med J, 77:207-235, 1958.
Zentr Bakteriell Parasitenk Abt I Ref, 174:13/16:350, 1960.
- 85
*Cohn, A.P.; and Howard, A.A.
Common Characteristics of Leptospirosis: A Report on 11 Cases, Ann Internal Med, 54:1:57-65, January 1961.
- 86
Crooks, J.
Canicola Fever, Brit J Clin Practice, 11:8:569-573, 1957.
Excerpta Med, IV:11:1816, 1958.
- 87
Deparis, M.; Sarrazin, A.; Manigand, G.; Leborgne, M.; and Tison, C.
Some Clinical Remarks on Leptospirosis (L. pomona), Sem Hop Paris, 36:1025-1028, April 1960. (In French)
Excerpta Med, VI:15:2:930, February 1961.
- 88
*Diaz-Rivera, R.S.; Ramos-Morales, F.; Benenson, A.F.; Hall, H.E.; and Marchand, E.J.
Leptospirosis Meningitis, Arch Internal Med, 103:886-896, 1959.
- 89
*Duggan, J.M.; and Hunter, W.F.
Leptospira pomona; Case Report, Med J Australia, 2:24:894-895, December 15, 1956.
Excerpta Med, XVII:3:3328, 1957.
- 90
*Edwards, G.A.
Clinical Characteristics of Leptospirosis. Observations Based on a Study of Twelve Sporadic Cases, Amer J Med, 27:1:4-17, July 1959.
- 91
*Edwards, G.A.; and Domm, B.M.
Human Leptospirosis, Medicine, 39:1:117-156, February 1960.
- 92
Fraga de Azevedo, J.; and Costa Faro, M.M. Da
Pathogenic Action in Man of the Portuguese Strain of Leptospira pomona, An Inst Med Trop, 13:4:557-561, 1956.
Biol Abstr, 33:6604, 1959.
- 93
Fua, C.
Uncommon Findings and Courses in Sporadic Leptospirosis: Leptospirosis with Ascites and Dropsy, Minerva Med, 51:8:304-306, 1960.
Excerpta Med, VI:15:2:928, February 1961.
- 94
Gerbaut, P.; Helluy, J.R.; Lorrain, J.; Paul, A.; and Jeandin, F.
Leptospiroses Caused by L. australis and their X-Ray Images, Rev Med Nancy, 85:120-130, February 1960. (In French)
Excerpta Med, VI:15:2:932, February 1961.
- 95
Hall, M.R.
Leptospirosis Fever, Postgrad Med J, 37:210-212, April 1961.

- 96 Kissel, P.; Hartemann, P.; Debry, G.; and Royer, R.
Isolated Hyperalbuminorachia during Icterohemorrhagic Leptospirosis, Rev Med Nancy, 84:156-160, January 1959. (In French)
- 97 Kolochine-Erber, B.; Mailloux, M.; and Wairt, J.
Human Leptospirosis Due to L. australis in France, Presse Med, 67: 2089-2090, November 1959. (In French)
- 98 Kraljevic, R.; Jimenez, L.; Salcedo, M.; and Sesnic, R.
Leptospirosis. Clinical Notes on 13 Cases. Preliminary Communication, Rev Med Chile, 84:10:550-556, October 1956.
Bull Hyg, 32:11:1051, November 1957.
- 99 Kraljevic, R.; Salcedo, M.; Jimenez, L.; Palomino, C.; and Canessa, C.
Leptospirosis. Analysis of 11 Cases, Rev Med Chile, 88:5:335-342, May 1960. (In Spanish)
Biol Abstr, 36:21:73116, November 1, 1961.
- 100 *Langeron, L.; Paget, M.; Croccel, L.; Lepoutre, J.; and Bernard, L.
Biological and Physiopathological Data on a Case of Leptospiral Jaundice, J Sci Med (Lille), 76:3:116-120, 1958.
Excerpta Med, VI:13:1391, March 1959.
- 101 Leonard, W.A. Jr.
Leptospirosis. Report of a Case, N Carolina Med J, 21:339-341, August 1960.
- 102 Robinson, C.R.; and Kennedy, H.F.
Investigation into the Clinical and Laboratory Features of an Outbreak of 31 Cases of Anicteric Leptospirosis, J Roy Army Med Corps, 102:3:196-206, 1956.
Excerpta Med, VI:11:5184, 1957.
- 103 *Saslaw, S.; and Swiss, E.D.
Leptospiral Meningitis. Preparation of Leptospiral Antigens and Techniques for Performance of the Agglutination Tests, Arch Intern Med, 103:876-885, 1959.
- 104 Scuppa, L.
Diagnosis and Prognosis in 2 Cases of Leptospirosis icterohaemorrhagiae, Gazz Sanit, 28:4-5, 238-243, 1957.
Excerpta Med, VI:12:3763, July 1958.
- 105 *Smith, D.J.W.; and Doherty, R.L.
Double Infection With Two Serotypes of Leptospirae: A Case Report, Med J Australia, 2:17:643-645, October 27, 1956.
- 106 *Stoenner, H.G.
The Sylvatic and Ecological Aspects of Leptospirosis, Vet Med, 52:11:553-555, November 1957.
- 107 Stroup, J.G.; and Riley, H.D., Jr.
Pretibial Fever Due to Leptospira pomona. Report of Two Cases in Siblings, J Pediat, 50:6:716-720, 1957.
Excerpta Med, XVII:4:1924, 1958.
- 108 Sturman, R.M.; Laval, J.; and Weil, V.J.
Leptospiral uveitis, Arch Ophthalmol, 61:4:633-640, April 1959.

- 109
Tsubosaki, H.; Nakaya, I.; Aoki, T.; and Hasegawa, B.
Studies on the Source of Leptospirosis Infection. I. Cases of Direct Contact Infection with Leptospira canicola, J Japan Assoc Infectious Diseases, 31:8:483-487, 1957.
Excerpta Med, VI:12:3747, July 1958.
- 110
Williams, R.V.
Usual Case of Canicola Fever Complicated by Persistent Homonymous Hemianopia, Med Press, 236: 162-164, 1956.
- 111
*Woodward, T.E.; and Stockard, J.L.
Leptospirosis in Man, Public Health Repts, 73:3:372-373, 1958.
- 112
Yow, M., and Megarity, A.
A Mild Form of Leptospirosis due to Leptospira canicola; Report of 3 cases in Children, Texas J Med, 54:308-312, 1958.
- VI. HUMAN PATHOLOGY
- 113
Arean, V.M.
Leptospiral Myocarditis, Lab Invest, 6:5:462-471, September-October, 1957.
Abstr World Med, 23:3:521, 1958.
- 114
*Arean, V.M.
The Pathologic Anatomy and Pathogenesis of Fatal Human Leptospirosis (Weil's Disease), Amer J Pathol, 40:4:393-423, April 1962.
- 115
Austoni, M.; and Cora, D.
Pathogenesis and Treatment of Acute Renal Insufficiency in Leptospiroses, Clin Terap, 18:3:233-243, 1960.
Excerpta Med, VI:15:3:1538, March 1961.
- 116
*Bauer, D.C.; Eames, L.N.; Sleight, S.D.; and Ferguson, L.C.
The Significance of Leptospiral Hemolysin in the Pathogenesis of Leptospira pomona Infections, J Infectious Diseases, 108:2:229-236, March-April 1961.
- 117
Berard, P.V.
Ophthalmological Manifestations of Leptospirosis. Presse Med, 66:70: 1579-1580, October 1958.
- 118
Bourke, G.
Leptospirosis icterohaemorrhagiae, J Irish Med Assoc, 40:238:114-121, 1957.
Excerpta Med, VI:12:7:3761, July 1958.
- 119
Bussinello, E.
Pulmonary Manifestations in Minor Leptospirosis, Med Intern, 63:6: 219-222, 1955.
Excerpta Med, VI:11:5195, 1957.
- 120
Bussinello, E.; Bajocchi, E.; and Gualdi, G.
Ocular Manifestations in the Course of So-called Minor Leptospirosis (Rice field leptospirosis), Rass Ital Ottalmol, 25:5-6:202-207, 1956.
Excerpta Med, VI:12:2:3757, July 1958.

- 121
Ch'iu, Y.C.; and Liu, M.S.
Roentgenological Changes of the Chest in 48 Cases of Leptospirosis, Chinese J Radiol, 7:5:374-376, 1959. (In Chinese)
Excerpta Med, VI:14:6054, September 1960.
- 122
*Doherty, R.L.
Second Infection with Leptospirosis, Med J Australia, 1:2:59-60, January 14, 1956.
Excerpta Med, VI:11:5185, 1957.
- 123
Dotti, F.; and Sabbioni, G.
Histopathology of the Liver in Benign Leptospirosis, Biopsy Study with Particular Reference to Anicteric Forms, Arch patol, 36:2:80-101, 1959.
- 124
Fua, C.
Unusual Aspects and Course of Sporadic Leptospirosis, Minerva Med, 51:304-306, January 1960.
- 125
Kappeler, R.
Leptospirosis grippotyphosa with Pulmonary Involvement, Praxis, 50:855-856, August 24, 1961. (In German)
- 126
*Logue, J.T.
Some Tissue Alterations in Man Caused by Leptospira, Vet Med, 52:532-534, 1957.
- 127
Masetto, I.; and Austoni, M.
Blood Coagulation in Leptospirosis icterohaemorrhagiae, G Mal Infett Parasitt, 9:6:279-282, 1957.
Excerpta Med, VI:12:2:3754, July 1958.
- 128
Milin, J.; and Miletto, G.
Ocular Complications of Leptospirosis, Ann Oculist, 189:6:591-595, 1956. (In French)
Excerpta Med, VI:11:5218, 1957.
- 129
Pathophysiological Studies on Leptospirosis. IV. Roentgenological Manifestations of Chest Films, Chinese J Internal Med, (Chung Hua Nei K'o Tsa Chih) 7:10:971-976;978, 1959. (In Chinese)
Excerpta Med, VI:14:9:6053, September 1960.
- 130
*Pathy, M.S.
Infection with Different Species of Leptospirosis in Husband and Wife, J Clin Pathol, 13:2:165-167, March 1960.
Bull Hyg, 35:10:1007, October 1960.
- 131
*Ramos-Morales, F.; Diaz-Rivera, R.S.; Clintron-Rivera, A.A.; Rullan, J.A.; Benenson, A.S.; and Acosta-Matienzo, J.
The Pathogenesis of Leptospirosis Jaundice, Ann Internal Med, 51:5:861-878, 1959.
Excerpta Med, VI:14:9:6051, September 1960.
- 132
Topciu, V.; Marin, I.; Cucuruz, L.; Elias, I.M.; Reichrath, S.; Porsche, T.; and Frasincl, N.
Isolation of Strains of Pathogenic Leptospira from Rodents and Humans, Studii Cercet Inframicrobiol, 8:1:115-120, 1957.
- 133
Witmer, R.
Uveitis with Leptospirosis and Brucellosis, Documenta Ophthalmol, 14:372-382, 1960. (English Summary)
Biol Abstr, 36:13:41945, July 1961.

- 134
*Warfolomejewa, A.A.; and Lawrowa, M.J.
Leptospirosis Foci and Their Classification, Zentr Bakteriöl Parasitenk Abt I Orig, 177:230-238, January 1960. (In German)
- 135
*World Health Organization
Diagnosis and Typing in Leptospirosis. Report of a Study Group, World Health Organization Tech Rept Ser, #113, 1956.
- 136
Zivkovic, R.
Kidney Affections in Human Leptospirosis, Lijecni Vjesnik, 81:11-12, 795-802, 1959.

Excerpta Med, VI:14:9:6056, September 1960.
- VII. VARIATIONS
- 137
*Parnas, J; Malinowski, R.; and Halgas, A.
Experimental Research on the Variability of Leptospira, Zentr Bakteriöl Parasitenk Abt I Orig, 183:1:101-118, 1961.

Excerpta Med, IV:15:3:1008, March 1962.
- 138
A Virus Disease Associated with Leptospirosis, Washington Research Progress Rept, #13:1, 1960.

VIII. SEROLOGY AND ANTIGENIC STRUCTURE

- 139
Addamiano, L.
Classificazione serologica di alcuni ceppi di leptospire provenienti dall'Indonesia, Rend Ist Super Sanita, 22:5-12, 1959.
- 140
*Addamiano, L.; Babudieri, B.; and Smith, J.W.
Two New Serotypes Belonging to the Leptospira canicola Group, Zentr Bakteriöl Parasitenk Abt I Orig, 180:3:419-421, 1960. (In German)
- 141
Aktan, M.
A Serological Investigation on Leptospira Infections in the Three Southern Provinces of Turkey, Türk İhtiyen ve Tecrubi Biyöl Derg, 29:1:97-103, 1960.

Biol Abstr, 37:5:19064, March 1, 1962.
- 142
*Alexander, A.D.; Evans, L.B.; and Keen, B.C., Jr.
Leptospira butembo; A Distinct Leptospiral Serotype, J Bact, 77:5:668-669, May 1959.
- 143
*Alexander, A.D.; Evans, L.B.; Toussaint, A.J.; Marchwicki, R.H.; and McCrumb, F.R., Jr.
Leptospirosis in Malaya. II. Antigenic Analysis of 110 Leptospiral Strains and other Serologic Studies, Amer J Trop Med Hyg, 6:5:871-889, September 1957.
- 144
Austoni, M.; Bertelli, G.; and Babudieri, B.
Anti-Leptospiral Antibodies and Serum Protein Fractions, Giorn Mal Infettive e Parassit, 10:6:488-491, 1958.

Excerpta Med, IV:12:5:1352, May 1959.

145

Azuma, I.; and Kimura, H.
Report on the Necessity of Serological Examination for Leptospirosis, Folia Ophthal Japan, 12:634-637, June 1961. (In Japanese)

146

Babudieri, B.
Cell Structure and Serology of Leptospire, Ergeb Mikrobiol Immunittatsforsch, 33:259-306, 1960. (In German)

Bull Hyg, 36:1:83, January 1961.

147

Babudieri, B.
Serological Research on the Diffusion of Leptospirosis in the Province of Siviglia, Rend Ist Super Sanita, 23:515-523, 1960. (In Italian)

Biol Abstr, 36:10:31466, May 15, 1961.

148

*Babudieri, B.; and Dymowska, Z.
Studien ueber einen Polnischen Leptospira-Stamm der Serogruppe Semaranga, Zentr Bakteriol Parasiten Abt I Orig, 182:1:129-134, 1961. (In German)

149

Babudieri, B.; and Gaspardis, D.
Presence and Significance of Leptospiral Antibodies in Bovine Serum, Rend Ist Super Sanita, 22:818-829, 1959. (English summary)

150

Babudieri, B.; and Mateew, D.
Serological Study of Some Bulgarian Strains of Leptospira, Rend Ist Super Sanita, 24:614-622, 1961. (In Italian)

151

*Bence, J.J.; and Miller, N.G.
A Serologic Survey of Leptospirosis in a Nonselect Group of Hospital Patients and in Packing House Workers, Amer J Hyg, 68:2:120-125, 1958.

152

*Blenden, D.C.; Goldberg, H.S.; and Kuppaswamy, B.V.
Studies on a Skin Test for Leptospirosis, Amer J Vet Research, 22:91:1081-1084, November 1961.

153

*Burki, F.
Mixed Antigen for the Complement-Fixation Test for Leptospirosis. II. Results on Animal Sera, Zeit Immunittatsforsch, 119:333-343, 1960.
Vet Bull, 30:10:3180, October 1960.

154

*Burki, F.
Mixed Antigen for the Complement-Fixation Test for Leptospirosis. I. Technique, Zeit Immunittatsforsch, 119:320-332, 1960.
Vet Bull, 30:10:3180, October 1960.

155

Buzna, D.
Allergic Test for the Diagnosis of Equine Leptospirosis, Magyar Allator Lapja, 14:42-44, 1959.
Vet Bull, 29:10:548, October 1959.

156

*Byrne, R.J.; and Chambers, C.F.
A Serological Survey for Leptospiral Antibodies in Maryland Cattle. J Amer Vet Med Assoc, 134:11:498-502, June 1959.

- 157
Calero, J.R.; Gutierrez, M.; and Spreafico, J.
Experimental Inoculation of the Chick Embryo by L. icterohemoragiae, L. canicola, L. pomona and L. grippo-typhosa Serotypes. Study of the Complement Fixation Reaction with the Aid of the Hepatic Antigen from the Inoculated Embryo, Bull Soc Pathol Exotique, 54:317-322, March-April 1961. (In French)
- 158
Carbrey, E.A.
National Survey of Serological Technics Used for the Diagnosis of Leptospirosis, Proc 63rd Ann Meeting U S Live Stk Sanit Assoc, 1959:126-139, 1960.
- 159
*Cox, C.D.; Alexander, A.D.; and Murphy, L.C.
Evaluation of the Hemolytic Test in the Serodiagnosis of Human Leptospirosis, J Infectious Diseases, 101:2:210-218, 1957.
- 160
*Cox, D.D.; Stover, R.C.; and Treick, R.W.
Serological Studies on Hemolytic Antigen from Leptospira, Proc Soc Exptl Biol Med, 98:265-269, 1958.
- 161
*Davies, M.E.
Observations on Leptospiral Antibodies Occurring in Pig Sera, J Hyg, 58:243-246, June 1960.
- 162
*Dolowy, W.C.; and Reich, C.V.
Serological Survey of 659 Dogs for Leptospirosis Using the Capillary Tube Method, J Amer Vet Med Assoc, 135:486-487, November 1959.
- 163
Farina, R.
Bacteriological and Serological Survey of Leptospirosis in Dogs. Epidemiological and Clinical Aspects, Zooprofilassi, 13:7-31, 1958.
Vet Bull, 28:3156, 1958.
- 164
*Fennestad, K.L.; and Borg-Petersen, C.
Antibody and Plasma Cells in Bovine Fetuses Infected with Leptospira saxkoebing, J Infectious Diseases, 110:1:63-69, January-February 1962.
- 165
*Fennestad, K.L.; and Borg-Petersen, C.
Leptospira Antibody Production by Bovine Fetuses, Vet Med, 54:10:480, September 1959.
- 166
*Ferris, D.H.; Hanson, L.E.; Rhoades, H.E.; and Alberts, J.O.
Bacteriologic and Serologic Investigations of Brucellosis and Leptospirosis in Illinois Deer, J Amer Vet Med Assoc, 139:892-896, October 15, 1961.
- 167
*Fuzi, M.; and Csoka, R.
Antigenic Relationships Among Leptospira leads and Water Leptospirae, J Bact, 80:4:569-572, October 1960.
- 168
*Fuzi, M.; and Csoka, R.
The Systematic Position of Leptospira semaranga and Leptospira andamani A, Zentr Bakteriell Parasitenk Abt I Orig, 182:4:494-500, 1961. (In German with English summary)
Bull Hyg, 36:12:1309, December 1961.

169

- *Galton, M.M.; Gorman, G.W.; and Shotts, E.B.
A New Leptospiral Subserotype in the Hebdomadis Group, Public Health Repts, 75:10:917-921, October 1960.

170

- *Galton, M.M.; Powers, D.K.; Hall, A.D.; and Cornell, R.G.
Rapid Macroscopic-Slide Screening Test for the Serodiagnosis of Leptospirosis, Amer J Vet Research, 19: 71:505-512, April 1958.

171

- *Galton, M.M.; Powers, D.K.; McKeever, S.; and Gorman, G.W.
Identification of Two Leptospiral Serotypes New to the United States, Public Health Repts, 72:5:431-435, 1957.

Bull Hyg, 32:999, 1957.

172

- Hegyessy, G.; and Kubinyine, S.M.
Significance of Differences in Serological Tests in the Diagnosis of Leptospirosis, Kiserletes Orvostud, 13:583-588, December 1961. (In Hungarian)

173

- Herrer, A.; and Liceras de Hidalgo, J.
Leptospirosis in Peru. III. Serological Investigation in the Mercado Central of Lima, Rev Med Exptl, 13:1/2:108-112, 1959-1960. (English summary)

Biol Abstr, 37:5:19080, March 1, 1962.

174

- *Justice, W.H.
Observations of Serological Titers of Cattle Vaccinated for Leptospirosis, Vet Med, 55:10:67-70, September 1960.

175

- *Kelen, A.E.; and Labzoffsky, N.A.
Studies on Latex Agglutination Test for Leptospirosis, Can J Microbiol, 6:4:463-473, 1960.

Excerpta Med, IV:14:1:104, January 1961.

176

- Kemenes, F.
Serological Diagnosis of Leptospirosis in Animals, Magyar Allator Lapja, 15:62-64, 1960. (English summary)

177

- *Kmety, E.
Betrachtungen zum Problem der paradoxen Reaktion und deren Bedeutung in der Serodiagnostik einiger Leptospirosen, Zentr Bakteriol Parasitenk Abt I Orig, 170:8:597-608, 1958.

178

- *Kmety, E.; and Bakoss, P.
Haemolysin and Lipase Production by Leptospirae of Different Sero-Types, Zentr Bakteriol Parasitenk Abt I Orig, 181:4:503-515, 1961.

Excerpta Med, IV:14:11:3089, November 1961.

179

- *Kolochine-Erber, B.; and Mailloux, M.
Difficulties of the Serological Diagnosis of Certain Leptospiroses (L. grippotyphosa and L. australis), Ann Inst Pasteur, 98:629-641, May 1960. (In French)

180

- *Kuppuswamy, P.B.; Goldberg, H.S.; and Blenden, D.C.
Studies on a Skin Test for Leptospirosis, Ract Proc, p. 110, 1960.

181

- *Labzoffsky, N.A.; and Kelen, A.E.
Studies on Complement Fixing Antigens of Leptospirae, Can J Microbiol, 6:453-462, August 1960.

- 182
 *Lang, R.W.; and Morse, E.V.
 Serologic Cross Reactions Among
 Leptospirae Observed with Sera from
 Animals Infected with Leptospira
pomona, J Immunol, 82:471-476, 1959.
- 183
 *McComb, D.E.; Smith, D.J.W.;
 Coffin, D.L.; MacCready, R.A.;
 and Chang, R. S.
 The Use of Erythrocyte Sensitizing
 Substance in the Diagnosis of Lepto-
 spiroses. I. The Sensitized Erythro-
 cyte Agglutination Test, Amer J Trop
Med Hyg, 6:1:90-100, 1957.
- 184
 *McKeever, S.; Schubert, J.H.;
 Gorman, G.W.; and Grimes, R.D.
 Comparison of Bacteriological and
 Serological Techniques for Detec-
 tion of Leptospirosis in Wild
 Mammals, Amer J Vet Research, 22:
 74:192-197, January 1959.
- 185
 Maeda, T.
 Serological Studies on the Latent
 Infection of Leptospirosis, Shikoku
Acta Med, 16 (Suppl):259-286, 1960.
 (In Japanese with English summary)
Biol Abstr, 36:11:34687, June 1,
 1961.
- 186
 *Mailloux, M.; and Kolochine-Erber, B.
 A propos de l'agglutinabilite
 des souches de Leptospira australis,
Ann Inst Pasteur, 100:2:247-252,
 February 1961. (In French)
- 187
 Mailloux, M.; and Kolochine-Erber, B.
 Review of Leptospirosis Over-
 seas. (Report of the Serotypes
 Discovered), Bull Soc Pathol
Exotique, 53:657-666, July-August
 1960. (In French)
- 188
 *Menges, R.W.; Galton, M.M.; and
 Habermann, R.T.
 Culture and Serologic Studies on
 Four Dogs Inoculated with Two Lepto-
 spiral Serotypes, Leptospira pomona
 and Leptospira canicola, Amer J Vet
Research, 21:82:371-376, May 1960.
- 189
 *Miller, N.G.
 A Serologic Investigation of
 Leptospiral Infections in Dairy
 Farmers and Cattle Ranchers, Amer
J Hyg, 74:2:203-208, September 1961.
- 190
 Monteverde, A.; and Fumagalli, E.
 GOT and GPT Transaminases in
 Leptospirosis, Minerva Med, 50:
 67-68:2600-2604, 1959.
Excerpta Med, VI:14:9:6050,
 September 1960.
- 191
 *Morter, R.L.
 A Hemolytic Phenomenon in Ewes
 Requiring Leptospira pomona Antigen
 and Antibody, Proc Soc Exptl Biol
Med, 106:3:600-603, March 1961.
- 192
 *Muraschi, T.F.
 Latec-leptospiral Agglutination
 Test, Proc Soc Exptl Biol Med, 99:
 1:235-238, 1958.
Biol Abstr, 33:18610, March 1959.
- 193
 Papachiracu, E.
 Research on a Possible Antigenic
 Relationship Between Leptospira
 and Some Shigella Strains, Rend
Ist Sup Sanita, 23:497-502, 1960.
 (In Italian)

194

*Pike, R.M.; and Schulze, M.L.
Incidence of Leptospiral Agglutinins in Patients; A Ten Year Experience, J Lab Clin Med, 57:2:223-229, February 1961.

Bull Hyg, 36:7:672, July 1961.

195

*Pike, R.M.; and Schulze, M.L.
Serologic Variants of Leptospira Types Resulting from Growth in Immune Serum, J Immunol, 81:2:172-175, August 1958.

196

Quine, A.H.; Haas, H.F.; and Freeman, A.
Fractioner Usage of Rapid Plate Antigens for the Diagnosis of Leptospirosis, Proc 16th Intern Vet Congr, Madrid, 2:705-707, 1959.

Vet Bull, 29:12:3752, December 1959.

197

Rado Figueredo, R.
Stoenner's Test in the Serological Investigation of Bovine Leptospirosis in Peru, Vet y Zootec, Lima, 12:31:24-25, 1960.

198

*Ringin, L.M.
The Detection of Leptospiral Antigen in Bovine Urine by Means of a Hemolytic Reaction (UHL), J Immunol, 84:6:582-585, June 1960.

199

*Ross, C.A.C.
Serological Diagnosis in Leptospirosis, Lancet, 2:7163:1278-1279, December 1960.

200

Rothstein, N.; and Wolman, F.
Studies of the Immunochemistry of Leptospirae. III. Serologic Characterization of the Complement-fixation Antigen, J Infectious Diseases, 105:280-287, 1959.

201

Sturdza, N.; and Elian, M.
Comparative Study on Different Strains of L. biflexa as Antigen for the Complement Fixation Test in Leptospirosis, Arch Roumaines Pathol Exptl Microbiol, 20:33-41, March 1961.

202

*Terzin, A.L.
Leptospira Antigens for Complement Fixation Reactions, Zentr Bakteriell Parasitenk Abt I Orig, 168:3-4:284-289, 1957. (In German)

203

*Thomas, G.M.; and Radford, M.A.
Serologic Survey of Leptospira pomona Infection in Wyoming Cattle, J Amer Vet Med Assoc, 140:7:684-686, April 1, 1962.

204

*Tobie, J.E.; and McCullough, N.B.
Serologic Evidence of Leptospira pomona Infections in Meat Inspectors, J Amer Vet Med Assoc, 138:8:434-436, 1961.

Biol Abstr, 36:22:76863, November 15, 1961.

205

Topciu, V.; Gluhovschi, N.; Lustrea, V.; Elias, I.M.; and Glavan, B.
Results of Serological and Bacteriological Studies on the Incidence of Leptospirosis in Horses, Stud Cercet Stiint, Ser II:4:1/2:61-67, 1957.

Excerpta Med, IV:12:7:2086, July 1959.

206

Trainer, D.O., Jr.; and Hanson, R.P.
Leptospirosis and Brucellosis Serological Reactors in Wisconsin Deer, J Wildlife Mgmt, 24:44-52, 1960.

Vet Bull, 30:7:2136, July 1960.

- 207 van der Hoeden, J.; Szenberg, E.; and Evenchik, Z.
Leptospira-Agglutinating Factors in Turtle Sera, Nature, 190:95-96, April 1, 1961.

Bull Hyg, 36:9:940, September 1961.

- 208 Varela, G.; and Zavala, J.
Serological Studies of Leptospirosis in the Mexican Republic, Rev Inst Salubr Enferm Trop, 21:49-52, June 1961. (In Spanish)

- 209 *White, F.H.; Stoliker, H.E.; and Galton, M.M.
Detection of Leptospire in Naturally Infected Dogs Using Fluorescein-labeled Antibody, Amer J Vet Research, 22:7:650-654, July 1961.

- 210 Wolff, J.W.; and Bohlander, H.J.
Serological Classification of Five Strains of Leptospire Belonging to the Hyos Serogroups, Trop Geogr Med, 12:2:173-179, June 1960.

Bull Hyg, 36:4:401, April 1961.

- 211 Wolff, J.W.; and Bohlander, H.J.
The Serological Classification of Leptospira butembo, Trop Geogr Med, 13:2:173-174, 1961.

Excerpta Med, IV:15:2:555, February 1962.

- 212 Wolff, J.W.; and Bohlander, H.J.
Serological Classification of Pathogenic Leptospire. Analysis and Comparison of Six Strains Related to Serotypes of the Herdomadis Serogroup, Trop Geogr Med, 10:1:37-45, 1958.

Excerpta Med, IV:12:1756, June 1959.

213

- *Zaharija, I.
Reliability of the Agglutination Lysis Reaction in the Determination of the Leptospira Type Causing Leptospirosis in Man, Zeit Hyg Infektionskrankh, 144:2:172-180, 1957. (In German)

IX. VIRULENCE

214

- *Bauer, D.C.; and Morse, E.V.
Variation and Hemolysin Production in Relation to Virulence of Leptospira pomona, Proc Soc Exptl Biol Med, 98:3:505-508, July 1958.

215

- *Faine, S.
Virulence in Leptospirae. III. Comparison of Sensitivities of Virulent and of Avirulent Leptospira icterohaemorrhagiae to Cultural Conditions, J Bact, 77:5:599-603, May 1959.

216

- *Fuchs, G.H.
Evaluation of Leptospira Density with the Aid of Electrophoretic Turbidity Assay, Zentr Bakteriell Parasitenk Abt I Orig, 177:239-254, January 1960. (In German)

217

- *Jones, R.K.
Study of the Viability of Leptospira pomona in Frozen Extended Bovine Semen, J Amer Vet Med Assoc, 133:216-218, August 1958.

Vet Bull, 28:1001, 1958.

218

- *Mortier, R.L.
Variations in Virulence among Strains of Leptospira pomona, Bact Proc, 61:119, 1961. (Abstract)

Biol Abstr, 36:23:81406, December 1, 1961.

X. EFFECT OF
PHYSICAL AGENTS

- 219
Addamiano, L.
An Experimental Contribution to the Study of the Factors Determining the Survival of Pathogenic *Leptospira* in the External Environment, Rend Ist Super Sanita, 22:10:1009-1017, 1959.

Biol Abstr, 35:18:50868, September 15, 1960.
- 220
Boccia, D.
Leptospirosis in Rural Surroundings, Med y Seguridad Trabajo, 8:32:5-17, October-December 1960.

Bull Hyg, 36:9:908, September 1961.
- 221
*Okazaki, W.; and Ringen, L.M.
Some Effects of Various Environmental Conditions on the Survival of *Leptospira pomona*, Amer J Vet Research, 18:219-223, 1957.
- 222
Shill, O.S., Jr.
Effects of Environment upon the Incidence of Canine Leptospirosis, with Associated Pathological Implications, Calif Vet, 11:6:25-26, 1958.

Vet Bull, 29:1004, April 1959.
- 223
*Tonge, J.I.; and Smith, D.J.W.
Leptospirosis Acquired from Soil, Med J Australia, 2:18:711-712, October 28, 1961.

XI. EFFECT OF
CHEMICAL AGENTS

- 224
*Gangel, G.; and Themann, H.
Action of Some Antibiotics on *Leptospira* Cultures, Zeit Hyg Infektionskrankh, 143:319-326, 1956.

Vet Bull, 27:3214, 1957.
- 225
Gierlich, H.
The Equivalent Results of Specific Agglutination and Takata-Ara Values in Separate Treatment of Canicola Fever with Chlortetracycline and Depot Penicillin, Therapie Gegenwart, 96:4:136-138, 1957.
- 226
Hiramune, T.; Yanagawa, R.; and Fujita, J.
Effect of Antibiotics and Immune Serum on *Leptospira autumnalis* Localized in the Kidneys of Mice, Japan J Vet Sci, 22:11-15, 1960. (In Japanese with English summary)
- 227
Iwata, A.; Susuki, Y.; Hirota, E.; Inui, S.; Watanabe, M.; and Yamamoto, S.
Studies on Bovine Leptospirosis. II. Influence of Penicillin Injection on Calves Infected Experimentally with *Leptospira hebdomadis*, Bull Natl Inst Animal Health, # 33:9-17, 1957. (English summary)

Vet Bull, 28:2767, 1958.
- 228
*Katsura, S.; and Yoshida, R.
Antileptospiral Action of Tropolone Compounds, Zentr Bakteriell Parasitenk Abt I Orig, 168:289-293, 1957. (In German)

Vet Bull, 27:3528, 1957.

- 229
 *Kiser, J.S.; Clemente, J.; and Popken, F.
 A Comparison of the Effectiveness of Several Antibiotics against an Experimental Infection with Leptospira icterohaemorrhagiae or Leptospira pomona in Chick Embryos, Antibiotics Ann, 157-1950:259-267, 1958.
 615.3058 A62
- 230
 Monteverde, A., and Fumagalli, E.
 The Behavior of Glutamic-oxalactic and Glutamic-pyruvic Transaminases in Leptospirosis, Minerva Med, 50: 2600-2604, August 1959.
- 231
 *Nahmias, A.J.; and Galton, M.M.
 The in vitro Susceptibility of Leptospira canicola to Fifteen Antibiotics, Bact Proc, p. 97, 1960.
- 232
 *Ringin, L.M.; and Okazaki, W.
 The Prophylactic Effect of Chlorotetracycline, Given Orally, on Bovine Leptospirosis, J Amer Vet Med Assoc, 133:4:214-215, August 1958.
- 233
 *Rogols, S.; Fizette, W.B.; and Bohl, E.H.
 Studies on the Relationship of a Phospholipase to the Hemolysin of Leptospira pomona, Amer J Vet Research, 20:592-596, May 1959.
- 234
 *Schricker, R.L.; and Hanson, L.E.
 Effect of Cortisone on Leptospira pomona Infection in the Guinea Pig, Amer J Vet Research, 22:88:580-586, May 1961.
- 235
 *Smith, R.E.; and Reynolds, I.M.
 Leptospirosis in Hamsters on Diets Containing Various Levels of Riboflavin, Amer J Vet Research, 22:89:800-806, July 1961.
- 236
 Videla, C.A.; Pondolfo, G.P.; and Repetto, O.M.
 Estudio del acido ascorbico en la enfermedad de Weil, Dia Med (Buenos Aires), 29:1151-1152; passim, 1957
- 237
 *Rothstein, N.
 Studies of the Immunochemistry of Leptospire. II. Heterogenetic Relationship between Leptospire and Other Micro-organisms, J Immunol, 79:4:276-280, 1957.
Excerpta Med, IV:12:2999, 1959.
- 238
 Scheidy, S.F.
 Leptospirosis Vaccination Studies in Cattle, Swine, Sheep, and Horses, J Amer Vet Med Assoc, 131:8:366-368, 1957.
- 239
 van Riel, J.
 The Leptospiral Hemolysins, Ann Soc Belg Med Trop, 39:331-341, June 30, 1959. (In French)
- 240
 *York, C.J.
 Immunology and Prophylaxis of Leptospirosis, Vet Med, 52:11:563-565;570, 1957.
- 241
 *Zuscheck, F.; Jungk, N.; King, D.; and Swangard, W.M.
 Noninterference with Immunity by a Trivalent Vaccine Containing Distemper Virus, Infectious Canine Hepatitis Virus, and Leptospira canicola, Cornell Vet, 51:68-76, January 1961.

XII. IMMUNIZATION, VACCINES AND PROPHYLAXIS

242

- *Babudieri, B.
Preventive Inoculation Against
Leptospirosis, Zentr Bakteriöl Para-
sitenk Abt I Orig, 168:3-4:280-283,
1957.

243

- Babudieri, B.; and van Der Hoeden, J.
Proposals Concerning the Preparation
of Leptospirosis Vaccines, Intern
Assoc Microbiol Soc Sect Biol Stand-
ardization, 5:350, 1960.

Biol Abstr, 36:12:38252, June 15, 1961.

244

- *Baker, E.D.; Gillespie, J.H.; Sheffy,
B.E.; and Marshall, V.
Simultaneous Immunization of Cattle
against Leptospirosis, Virus Diarrhea,
and Infectious Bovine Rhinotracheitis,
Cornell Vet, 48:207-213, 1958.

245

- Brightenback, G.E.; Scheidy, S.F.;
and Jensen, J.H.
L. pomona Vaccination Studies in
Sheep, Vet Med, 55:4:63-66, 1960.

246

- *Constantinesco, N.; and Zavate, O.
Immunological Research in Lepto-
spiroses, Ann Inst Pasteur, 95:1:41-
48, July 1958.

247

- *Gillespie, R.W.H.; and Kenzy, S.G.
Immunization of Cattle against
Leptospirosis. I. Comparative Evalu-
ation of Leptospira pomona Bacterins,
Vet Med, 53:8:401-408, August 1958.

248

- *Gillespie, R.W.H.; and Kenzy, S.G.
Immunization of Cattle against Lep-
tospiriosis. II. Further Observations
on Duration of Immunity Induced by
Vaccination, Vet Med, 53:6:611-617,
1958.

249

- *Gillespie, R.W.H.; and Kenzy, S.G.
Immunization of Cattle against Lep-
tospiriosis. III. Resistance to Lep-
toospira pomona Infection of Cattle
Vaccinated when Three to Five Months
of Age, Vet Med, 54:1:12-16, January
1959.

250

- Hanagawa, R.; Hiramune, T.; Shimizu,
T.; Fujita, J.; and Ishii, S.
Experimental Studies on Infection
and Immunity in Leptospirosis. IV.
Quantitative Studies on Experimental
Leptospira icterohaemorrhagiae and
Leptospira autumnalis Infection in
Mice, Japan J Vet Sci, 22:17-28, 1960.
(In English)

251

- *Kenzy, S.G.; Gillespie, R.W.H.; and
Lee, J.H.
Comparison of Leptospira pomona
Bacterin and Attenuated Live Culture
Vaccine for Control of Abortion in
Cattle, J Amer Vet Med Assoc, 139:
452-454, August 15, 1961.

252

- *Kenzy, S.G.; Gillespie, R.W.H.; and
Ringin, L.M.
Problems in Treatment and Control
of Leptospirosis, J Amer Vet Med Assoc,
136:6:253-255, March 1960. (36
references)

253

- Kenzy, S.G.; Gillespie, R.W.H.;
Ringin, L.M.; Okazaki, W.; Bracken,
F. K.; and Keown, G.H.
Control of Bovine Leptospirosis,
Proc 61st Ann Meeting U.S. Live Stk
Sanit Assoc (St. Louis), p. 137-150,
1957.

Vet Bull, 29:1000, 1959.

254

- *Linscott, W.D.
Immune-Adherence with Leptospira
Antigens. II. Studies on Hyperimmune,
Convalescent and Normal Sera, J
Immunol, 86:5:480-488, May 1961.

- 255
*Linscott, W.D.; and Boak, R.A.
Immune-Adherence with *Leptospira*
Antigens. I. Studies on the Immune-
Adherence Phenomenon, J Immunol, 86:
5:471-479, May 1961.
- 256
McDonald, N.R.; and Rudge, J.M.
Prevention of Leptospirosis in
Young Calves by Vaccinating Their
Dams in Late Pregnancy, N Zealand
Vet J, 5:83-92, 1957.
Vet Bull, 28:2424, 1958.
- 257
*McKay, K.G.
Leptospirosis and Vaccination, N
Amer Vet, 38:2:59A, 1957.
- 258
Martin Rueda, F.; Covalada, J.;
Pumarola, A.; and Cranicio.
Prophylactic Campaign against Lep-
tospiriosis in the Rice Fields of the
Delta Region of the Ebro during the
Years 1954 and 1955. Vaccination.
Revaccination. Protection with
Dibenzyl-Penicillin, Rev Iberia
Parasit, 17:1:149-152, 1957.
Excerpta Med, XVII:4:772, 1958.
- 259
Parnas, J.; and Lazuga, K.
Investigations on the Etiology of
Leptospirosis and on the Effects of
its Vaccine on Man, Bull Acad Polon
Sci Classe II, 6:1:29-31, 1958.
Excerpta Med, IV:3466, December 1958.
- 260
*Phillips, C.E.
Leptospira Vaccine Evaluation, Vet
Med, 53:301-307, 1958.
- 261
Pumarola, A.; and Perez P.J.
Vaccination against Leptospirosis
Contracted in Rice Fields in the
Province of Valencia in 1959 and
1960, Rev Sanid Hig Publica, 35:460-
462, July-September 1961. (In
Spanish)
- 262
Rhodes, L.J.L.
An Immunological Study of *Lepto-*
spira pomona, Australian Vet J,
36:11:419-426, 1960.
Excerpta Med, IV:14:6:1634, June 1961.
- XIII. CHEMOTHERAPY
- 263
Aga, H.
The Action of Sulfonic Acid to Acid-
fast Bacilli and *Leptospira*. IV. The
Inhibitory Action of Sulfonic Acid to
Development of *Leptospira*, Shikoku
Acta Med, 11:2:197-203, 1957. (In
Japanese with English summary)
Biol Abstr, 36:1:2248, January 1961.
- 264
*Baker, C.E.; and Gallian, M.J.
Leptospirosis II. Clinical Evalua-
tion of Terramycin in Natural Out-
breaks of Porcine Leptospirosis, Vet
Med, 52:12:581-584, December 1957.
- 265
*Baker, C.E.; Olander, H.; Gallian,
M.J.; Lee, C.H.; and Luther, H.G.
Protective Effect of New Antibiotics
and Tetracycline Hydrochloride against
Leptospira pomona Infection in Golden
Hamsters, Antibiotics Ann, 1956-1957:
887-891, 1957.
615.3058 A62
- 266
*Cook, A.R.; and Thompson, P.E.
Effects of Oleandomycin, Erythromy-
cin, Carbomycin, and Penicillin G. on
Leptospira icterohaemorrhagiae in
vitro and in Experimental Animals,
Antibiotics & Chemotherapy, 7:8:425-
434, 1957.

- 267 Delahousse, J.; Rousilhon, J.P.; Boyer, G.; and Bordes, F.P.
Utility of Early Antibiotic Treatment in Leptospirosis, Med Trop (Marseille), 21:38-44, January-February 1961. (In French)
- 268 *Fuzi, M.; and Csoka, R.
Die Differenzierung der pathogenen und saprophytischen Leptospiren mittels eines Kupfersulfattestes, Zentr Bakteriöl Parasitenk Abt I Orig, 179:2:231-237, 1960.
- 269 Gsell, O.
Antibody Therapy of Leptospiroses, Schweiz Med Wochschr, 89:16:422-425, April 1959.

Excerpta Med, VI:14:9:6059, September 1960.
- 270 Kikuchi, J.
Drug Resistance of Leptospira. I. Basic Experiments of the Acquired Resistance of Leptospira to Aureomycin, Nippon Saikingaku Zasshi, 11: 1001-1005, 1956.

Chem Abstr, 51:18103e, 1957.
- 271 *Mackay-Dick, J.
Treatment of Leptospirosis with Oxytetracycline, Lancet, 1:7063: 100-101, January 1959.
- 272 *Mackay-Dick, J.; and Robinson, J.F.
Penicillin in Leptospirosis, Lancet, 2:7101:515-516, October 1959.

Trop Diseases Bull, 30:8:2490, August 1960.
- 273 Mackay-Dick, J.; and Robinson, J.F.
Penicillin in the Treatment of 84 Cases of Leptospirosis in Malaya, J Roy Army Med Corps, 103:4:186-197, October 1957.

Bull Hyg, 33:4:344, 1958.
- 274 *Mackay-Dick, J.; and Robinson, J.F.
Penicillin Treatment of Leptospirosis, Lancet, 2:6990:346-347, August 17, 1957.

Vet Bull, 28:3771, 1958.
- 275 Russell, R.W.
Treatment of Leptospirosis with Oxytetracycline, Lancet, 2:7057, 1143-1145, November 29, 1958.
- 276 *Stockard, J.L.
Treatment of Leptospirosis in Man, Vet Med, 52:11:566-570, November 1957.
- 277 Thiel, P.H. van.
The Treatment of Leptospiroses, especially Leptospirosis ictero-hemorrhagica, with Some Antibiotics, Documenta Med Geograph Trop, 9:4: 309-324, December 1957.
- 278 Thiel, P.H. van.
Treatment of Leptospirosis and Icterohemorrhagic Leptospirosis by Antibiotics, Ned Tijdschr Geneesk, 102:14:668-674, April 1958.
- 279 Thiel, P.H. van
The Treatment of Leptospiroses, Especially Leptospirosis ictero-haemorrhagica with Some Antibiotics, Acta Leidensia Scholae Med Trop, 28:112-129, 1958. (In English)

Abstr World Med, 25:5:1003, May 195

- 280 Treatment of Leptospiroses, notably Leptospirosis icterohaemorrhagiae, with Several Antibiotics, Ned Tijdschrift Geneesk, 102:14:668-674, 1958.

Excerpta Med, IV:12:184, January 1959.

- 281 Vazquez Hoyos, A.; and Pereira Zapata, S.
Kanamycin in the Treatment of Experimental Leptospirosis in the Guinea Pig, Rev Inst Salubridad y Enfermedad Trop (Mex), 19:3:255-258, September 1959.

Bull Hyg, 36:1:55, January 1961.

- 282 *Wood, G.E.; and Alexander, A.D.
The Effect of Selected Antibacterial and Antiprotozoal Agents in Treatment of Leptospirosis in Experimentally Infected Hamsters, Antibiotics & Chemotherapy, 10:341-348, June 1960.

- 283 *Wood, G.E.; and Alexander, A.D.
Tylosin Therapy in Experimental Leptospirosis, Antibiotics & Chemotherapy, 11:592-595, September 1961.

- 284 *Wood, G.E.; and Alexander, A.D.
Tylosin Therapy in Experimental Leptospirosis, Bact Proc, 61:164, 1961.
Biol Abstr, 36:23:81722, December 1, 1961.

XIV. ANIMAL SOURCES AND ANIMAL PATHOGENICITY

- 285 *Babudieri, B.
Animal Reservoirs of Leptospira, Ann NY Acad Med, 70:393-413, 1958.

- 286 Babudieri, B.; and D'Amore, E.
Leptospira canicola Infections in Dogs of a Training School, Rend Ist Super Sanita, 21:7-8:692-697 1958.

- 287 *Bone, J.F.
Leptospirosis: Treatment and Prevention, Mod Vet Practice, 39:1:65, January 1, 1958.

- 288 *Boulanger, P.
Agglutination Tests on Leptospirosis in Cattle, Can J Public Health, 49:4:142-147, 1958.

- 289 Boyd, F.M.
Studies on the Physiology and Pathogenesis of Leptospira pomona, Ph.D. Thesis Wisconsin Univ, 1959.
Dissertation Abstr, 19:2716, 1959.

- 290 Brown, A.L.
The Control of Leptospirosis in Domestic Animals, Southwestern Vet, 13:203-207, 1960.

- 291 Buerki, F.
Agglutination and Complement Fixation Reaction in Golden Hamsters after Infection with Leptospira pomona, Pathol Microbiol (Basel), 24:977-983, 1961. (In German)

292

*Buerki, F.

The Demonstration of Leptospirae in the Syrian Hamster, Zentr Bakteriolog Parasitenk Abt I Orig, 178:2: 211-222, 1960.

Excerpta Med, IV:14:1:105, January 1961.

293

Burnstein, T.; Scheidy, S.F.; Bramel, R.G.; and Jensen, J.H.

Further Studies with Leptospira pomona Bacterin, Proc 60th Ann Meeting U S Live Stk Sanit Assoc (Chicago), p. 139-148, 1956.

Vet Bull, 28:1371, 1958.

294

*Brede, H.D.

Qualitative Demonstration of Leptospira Antibodies in Dry Blood Samples, Zentr Bakteriolog Parasitenk Abt I Orig, 167:1:21-37, 1956. (In German)

Excerpta Med, IV:10:11:2628, November 1957.

295

*Carbrey, E.A.; and Packer, R.A.

The Detection of Antibody against Leptospira pomona in Composite Herd Milk Samples, Amer J Vet Research, 22:88:573-579, May 1961.

296

*Cholvin, N.R.; Morse, E.V.; and Langham, R.F.

Experimental Leptospira pomona Infections in Dogs, J Infectious Diseases, 104:92-100, 1959.

Vet Bull, 29:11:3403, November 1959.

297

*Clark, L.G.; Kresse, J.I.; Marshak, R.R.; and Hollister, C.J.

Leptospira pomona Infection in a Woodchuck, Public Health Repts, 75: 10:925, October 1960.

298

*Clark, L.G.; Kresse, J.I.; Marshak, R.R.; and Hollister, C.J.

Leptospira pomona Infection in an Eastern Red Fox (Vulpes fulva fulva), Nature, 188:1040-1041, December 17, 1960.

299

*Clark, L.G.; Kresse, J.I.; Marshak, R.R.; and Hollister, C.J.

Natural Occurrence of Leptospirosis in the Meadow Vole, Microtus pennsylvanicus, Amer J Vet Research, 22:949-950, September 1961.

300

*Dacres, W.G.; and Kiesel, G.K.

Isolation of Leptospira pomona from a Bovine Fetus, J Amer Vet Med Assoc, 132:12:525-526, June 1958.

301

*Experimental Leptospirosis in Swine, J Amer Vet Med Assoc, 132:11:492, June 1958.

302

Farina, R.

Leptospirosis in Pigs in Tuscany, Atti Soc Ital Sci Vet, 12:581-584, 1958. (Summary in English)

Vet Bull, 29:12:3748, December 1959.

303

*Fennestad, K.L.; and Borg-Petersen, C.

Antibody and Plasma Cells in Bovine Fetuses Infected with Leptospira sax-koebing, J Infectious Diseases, 110: 1:63-69, January-February 1962.

304

*Fennestad, K.L.; and Borg-Petersen, C.

Fetal Leptospirosis and Abortion in Cattle, J Infectious Diseases, 102:3:227-236, 1958.

Biol Abstr, 32:38069, 1958.

- 305
*Fennestad, K.L.; and Borg-Petersen, C.
Leptospira Antibody Production by Bovine Foetuses, Nature, 180:4596: 1210-1211, November 1957.
- 306
*Ferguson, L.C.; Range, J.C.; and Sanger, V.L.
Experimental Bovine Leptospirosis, Amer J Vet Research, 18:66:43-48, January 1957.
Biol Abstr, 31:35566, 1957.
- 307
*Ferris, D.H.; Hanson, L.E.; Hoerlein, A.B.; and Beamer, P.D.
Experimental Infection of White-tailed Deer with Leptospira pomona, Cornell Vet, 50:3:236-250, July 1960.
- 308
*Ferris, D.H.; Rhoades, H.E.; and Hanson, L.E.
Isolation of Leptospira hyos from a New Host, Peromyscus maniculatus, Cornell Vet, 49:3:344-349, July 1959.
- 309
*Fischer, G.W.; Powers, D.K.; and Galton, M.M.
Studies of Techniques for the Isolation of Leptospire. I. The Suitability of 1 to 2 day Baby Chicks as Compared to Hamsters for the Isolation of Various Leptospiral Serotypes, J Infectious Diseases, 103:150-156, 1958.
- 310
Fizette, W.B.
Studies of the Pathogenesis of Acute Infection Caused by Leptospira pomona in the Hamster, Ph.D. Thesis, Ohio State University, 1957.
Dissertation Abstr, 17:22791, 1957.
- 311
Flir, K.
Leptospiral Nephritis in Dogs, Monatsh Veterinaarmed, 11:693-701, 1956.
Vet Bull, 27:3527, 1957.
- 312
Gentile, G.
Leptospiral Icteric Hepato-Nephritis in Dogs. II. The Pathogenic Mechanism of Jaundice, Zooprofilassi, 11:817-831, 1956.
Vet Bull, 27:2944, 1957.
- 313
*Gleiser, C.A.
Experimental Canine Leptospirosis. III. Histopathologic Changes, J Infectious Diseases, 100:3:249-256, 1957.
Bull Hyg, 32:11:1050, 1957.
- 314
Hanson, L.E.
Bovine Leptospirosis. A Review, J Dairy Sci, 43:4:453-462, 1960.
Biol Abstr, 35:15:42098, August 1960.
- 315
Imamura, S.; A.Y.; and Nagata, Y.
Studies on Leptospirosis. I. Experimental Leptospirosis of Mice with Jaundice, Hemorrhage and High Mortality, Japan J Exptl Med, 30: 6:427-431, December 1960.
Bull Hyg, 36:9:940, September 1961.
- 316
Jeleff, W.
Morphological Changes in Leptospirosis of Calves, Monatsh Veterinaarmed, 13:226-227, 1958.
Vet Bull, 29:1001, 1959.

317

*Kenzy, S.G.; Gillespie, W.H.;
Bracken, L.M.; and Keown, G.H.
Control of Bovine Leptospirosis,
Vet Med, 53:1:14, 1958.

318

*Kenzy, S.G.; Keown, G.H.; Okazaki,
W.; Gillespie, R.W.H.; and Ringen,
L.M.
Detection of Viable L. pomona in
Bovine Kidneys after Leptospirosis
had Apparently Ceased, Vet Med, 53:
12:647-648, December 1958.

319

*Kiesel, G.K.; and Dacres, W.G.
A Study of Leptospira pomona
Bacterin in Cattle, Cornell Vet,
49:3:332-343, July 1959.

320

*Kirschner, L.; Maguire, T.; and
Bertaud, W.S.
Further Evidence of the Anti-
leptospiral Effect of Milk: Elec-
tron Microscopic Studies, Brit J
Exptl Pathol, 38:4:357-361, August
1957.

Vet Bull, 28:376, 1958.

321

*Kiszel, J.; Alföldy, Z.; and Fuzi, M.
Examination of Rodents for Lepto-
spiral Infection. Egeszsegtudomány,
4:199-203, 1957.

Excerpta Med, XVII:5:4:1225, April
1959.

322

*Lewis, C.; and Gray, J.E.
Experimental Leptospira pomona
Infection in the Mongolian Gerbil
(Meriones unguiculatus), J Infec-
tious Diseases, 109:2:194-204,
September-October 1961.

323

*Lindqvist, K.J.; Morse, E.V.; and
Lundbeerg, A.
Experimental Leptospira pomona
Infection in Pregnant Ewes, Cornell
Vet, 48:3:277-290, 1958.

Vet Bull, 29:334, 1959.

324

*Lingard, D.R.; and Hanson, L.E.
Effect of Leptospira pomona on the
Reproductive Efficiency of Cattle, J
Amer Vet Med Assoc, 139:449-451,
August 15, 1961.

325

*Lococo, S.; Bohl, E.H.; and Smith,
H.R.
Treatment of Porcine Leptospiro-
ria, J Amer Vet Med Assoc, 132:
251-253, 1958.

326

*McKeever, S.; Gorman, G.W.; Galton,
M.M.; and Hall, A.D.
The Raccoon, Procyon lotor, a
Natural Host of Leptospira autum-
nalis, Amer J Hyg, 68:1:13-14,
July 1958.

327

Michna, S.W.
Leptospira pomona Antibodies in
the Sera of Pigs, Vet Record, 70:
4:80-82, 1958.

Excerpta Med, IV:11:3469, December
1958.

328

*Michna, S.W.
The Isolation of Leptospira cani-
cola from the Kidney of a Pig, Vet
Record, 71:4:70-72, 1959.

Excerpta Med, XVII:5:10:2901,
October 1959.

- 329
*Michna, S.W.
The Survival of Leptospira canicola in the Renal Tissue of a Pig, Vet Record, 71:27:549-552, August 1959.
- 330
Mikhailovskii, B.A.
Clinical Characteristics of Swamp Fever of the Trippotyphosa Type, Klin Med (USSR), 39:84-86, December 1961. (In Russian)
- 331
*Morse, E.V.; Bauer, D.C.; Langham, R.F.; Lang, R.W.; and Ullrey, D.E.
Experimental Leptospirosis.
IV. Pathogenesis of Porcine Leptospira pomona Infections, Amer J Vet Research, 19:71:388-394, April 1958.

Excerpta Med, IV:12:182, January 1959.
- 332
*Morse, E.V.; Morter, R.L.; Langham, R.F.; Lundberg, A.; and Ullrey, D.E.
Experimental Bovine Leptospirosis, Leptospira pomona Infection, J Infectious Diseases, 101:2:129-136, September-October 1957.
- 333
*Morter, R.L.; Langham, R.F.; and Morse, E.V.
Experimental Leptospirosis. VI. Histopathology of the Bovine Placenta in Leptospira pomona-infection, Amer J Vet Research, 19:73:785-791, 1958.

Biol Abstr, 33:9:3445, June 1959.
- 334
*Morter, R.L.; Morse, E.V.; and Langham, R.F.
Experimental Leptospirosis. VII. Re-Exposure of Pregnant Sows with Leptospira pomona, Amer J Vet Research, 21:80:95-98, January 1960.
- 335
*Morter, R.L.; Ray, J.A.; and Chapel, D.F.
Leptospira pomona Isolation from Naturally Occurring Canine Infections, J Amer Vet Med Assoc, 135: 570-571, December 1959.
- 336
*Morse, E.V., and Langham, R.F.
Experimental Leptospirosis.
III. Caprine Leptospira pomona Infection, Amer J Vet Research, 19:139-144, 1958.
- 337
*Mosier, J.E.
Treatment of Leptospirosis in Animals, Vet Med, 52:11:546-547, November 1957.
- 338
*Murphy, L.C.; Cardeilhac, P.T.; Alexander, A.D.; Evans, L.B.; and Marchwicki, R.H.
Prevalence of Agglutinins in Canine Serums to Serotypes other Than Leptospira canicola and Leptospira icterohaemorrhagiae: Report of Isolation of Leptospira pomona from a Dog, Amer J Vet Research, 19:145-151, 1958.
- 339
*Murphy, L.C.; Cardeilhac, P.T.; and Carr, J.W.
The Prevalence of Leptospiral Agglutinins in Sera of the Domestic Cat, Cornell Vet, 48:1:3-10, 1958.

Excerpta Med, IV:11:3467, December 1958.
- 340
Nedjalkoff, S.; and Stojanoff, D.
Leptospirosis Following Gastroenteritis Caused by Mouldy Cats in 5 Serum Horses, Monatsh Veterinaarmed, 15:234-237, 1960.

341

*Oravee, C.; and Kmety, E.
Ueber den Einfluss einer Leptospireninfektion auf das Daelasche Meerschweinchensarkom, Zentr Bakteriöl Parasitenk Abt I Orig, 176:7/8:514-520, 1959.

342

Paltrinieri, S.; Salutini, E.; and Buonaccorsi, A.
Leptospirosis in Sheep. Experimental Infection with L. icterohaemorrhagiae. III. Haematology, Ann Fac Med Vet Pisa, 12:15-41, 1959. (English summary)

343

Pande, P.G.; Sehariah, P.C.; Iyer, P.K.; Ramachandra; and Shukla, R.R.
Cerebrospinal Leptospirosis in Buffalo-Calves due to Leptospira hebdomadis, Current Sci, 30:4:147, April 1961.

344

*Parnas, J.; Koslak, A.; and Krukowska, M.
Leptospira Affecting the Common House-Mouse (Mus musculus), Zentr Bakteriöl Parasitenk Abt I Orig, 182:1:121-128, 1961.
Bull Hyg, 36:6:941, September 1961.

345

*Parnas, J.; Zwolski, W.; Koslak, A.; and Wojtkowska-Uminska, R.
Studies Concerning Endemic Leptospirosis in Aquatic Animals Living in Hydrobiocenosis, Zentr Bakteriöl Parasitenk Abt I Orig, 182:2:237-243, 1961. (In German)
Bull Hyg, 36:10:1038, October 1961.

346

Pierotti, P.
Leptospirosis in Sheep. Experimental Infection with L. icterohaemorrhagiae. IV. Lesions, Univ Pisa Ann Fac Med Vet, 12:42-49, 1959.
Vet Bull, 30:12:3840, December 1960.

347

Porta, E.; and Alonso, C.
Reservoirs of Leptospirae in Biscay (experimental study), Gac Med Norte, 6:5:281-292, 1956.
Excerpta Med, XVII:3:2368, 1957.

348

Preston, K.S.; and Morter, R.L.
Leptospira pomona Infection in Pregnant Sows, Allied Vet, 31:104-107, 1960.

349

*Reilly, J.R.; Muraschi, T.F.; and Dean, D.
Leptospirosis in the White-tailed Deer, Odocoileus virginianus, Cornell Vet, 52:94-98, January 1962.

350

*Reilly, J.R.; Muraschi, T.F.; and Dean, D.J.
Experimental Leptospira pomona Infection in White-tailed Deer, Odocoileus virginianus, and in Cattle, J Amer Vet Med Assoc, 140:1:53-57, January 1, 1962.

351

*Reynolds, I.M.; Sakai, T.; and Smith, R.E.
Experimental Leptospirosis in Pregnant Ewes. II. Hematological Features of Ewes and Fetuses, Cornell Vet, 50:89-102, April 1960.

352

*Ristic, M.; Galton, M.M.; McRae, L.; Sanders, D.A.; and Steele, J.H.
Experimental Leptospirosis in Bovines. I. Establishment of Infection with Leptospira sejroe, J Infectious Diseases, 100:3:228-240, May-June 1957.

353

*Roberts, C.O.; and Turner, L.W.
Susceptibility of the Chinchilla (Chinchilla laniger) to Leptospira pomona, J Amer Vet Med Assoc, 132:12:527-528, June 1958.

- 354
 *Roth, E.E.; and Knieriem, B.B.
 The Natural Occurrence of Leptospira pomona in an Opossum. A Preliminary Report, J Amer Vet Med Assoc, 132:3:97-98, February 1, 1958.
Excerpta Med, IV:11:3468, December 1958.
- 355
 *Sakai, N.
 Experimental Studies on the Antigenicity of Leptospira icterohaemorrhagiae, Japan J Bact, 15:4:503-511, 1960. (In Japanese)
Biol Abstr, 36:15:49424, August 1, 1961.
- 356
 *Sanders, R.H.
 Further Report of Leptospirosis Agglutinins in Blood of Horses, Vet Med, 52:12:578, 1957.
- 357
 *Sanger, V.L.; Hamdy, A.H.; Fizeffe, W.B.; Bohl, E.H.; and Ferguson, L.G.
Leptospira pomona Infection in Hamsters, Cornell Vet, 51:4:489-498, October 1961.
- 358
 *Scheidy, S.F.; and Live, I.
 Effect of Leptospira pomona Bacterin upon Agglutinin Titers of Five Cattle Previously Vaccinated with Strain 19 Brucella abortus, J Amer Vet Med Assoc, 131:7:328, October 1, 1957.
- 359
 Schulz, J.A.; and Bauch, H.
 Acute Leptospirosis in Horses, Monatsh Veterinaermed, 15:22-24, 1960.
- 360
 *Shotts, E.B.; Greer, W.E.; and Hayes, F.A.
 A Preliminary Survey of the Incidence of Brucellosis and Leptospirosis among White-Tailed Deer (Odocoileus virginianus) of the Southeast, J Amer Vet Med Assoc, 133:8:359-361, October 1958.
- 361
 *Sleight, S.D.; Langham, R.F.; and Morter, R.L.
 Experimental Leptospirosis: The Early Pathogenesis of Leptospira pomona in Young Swine, J Infectious Diseases, 106:3:262-269, May-June 1960.
- 362
 *Sleight, S.D.; and Lundberg, A.M.
 Persistence of Leptospira pomona in Porcine Tissues, J Amer Vet Med Assoc, 139:455-456, August 15, 1961.
- 363
 *Smith, R.E.; Reynolds, I.M.; and Clark, G.W.
 Experimental Leptospirosis in Pregnant Ewes. IV. Intravenous and Intrafetal Inoculations, Cornell Vet, 52:1:99-109, January 1962.
- 364
 *Smith, R.E.; Reynolds, I.M.; and Sakai, T.
 Experimental Leptospirosis in Pregnant Ewes. I. Clinical, Bacteriological and Serological Features, Cornell Vet, 50:34-46, January 1960.
- 365
 *Smith, R.E.; Reynolds, I.M.; and Sakai, T.
 Experimental Leptospirosis in Pregnant Ewes. III. Pathological Features, Cornell Vet, 50:15-22, April 1960.

366

Squadrini, F.; Bussinello, E.; and Bajocchi, E.

Histochemical Study of the Cavy During the Course of Attenuated Infection with Leptospira icterohaemorrhagiae (Zaan strain), Proc 6th Intern Congr Microbiol, 5:31, 1955.

367

Stefanoic, J.; and Bakosa, P.

Proteolytic and Antitryptic Activity of Serum during Experimental Infection of Rabbits with Leptospira icterohaemorrhagiae, Folia Microbiol, 4:380-384, 1959.

Zentr Bakteriell Parasitenk Abt I Ref, 177:5:488, 1960.

368

*Symington, E.L.

Leptospirosis of Cattle, Can J Comp Med Vet Sci, 21:12:442-446, 1957.

369

Tammemagi, L.; and Simmons, G.C.

Experimental Infection of Pigs with Leptospira hyos Savino and Rennella, Quart J Agric Sci, 13:169-174, 1956.

Vet Bull, 27:3210, 1957.

370

Tammemagi, L.; and Simmons, G.C.

Further Observations on the Experimental Infection of Pigs with Leptospira hyos Savino and Renella, Quart J Agric Sci, 15:137-144, 1958.

Vet Bull, 29:1003, April 1959.

371

Toeda, T.

A New Bactericidal Substance in Rabbit Serum, Japan J Bact, 12:6:483-490, 1957.

Biol Abstr, 32:20413, 1958.

372

*Trainer, D.O., Jr.; Karstad, L.; and Hanson, R.P.

Experimental Leptospirosis in White-tailed Deer, J Infectious Diseases, 108:3:278-286, May-June 1961.

373

*Turner, L.W.

Experimental Leptospirosis in the Chinchilla (Chinchilla Laniger), Cornell Vet, 51:420-430, July 1961.

374

*Turner, L.W.; Roberts, C.S.; Wiggins, A.M.; Alexander, A.D.; and Murphy, L.C.

Leptospira canicola Infection in a Newborn Calf, Amer J Vet Research, 19:73:780-784, 1958.

Biol Abstr, 33:9:34457, June 1959.

375

*van der Hoeden, J.

Leptospiral Infections in Hedgehogs, J Infectious Diseases, 103:3:225-238, November-December, 1958.

376

*van der Hoeden; Szenberg, E.; and Evenchik, Z.

Leptospira-Agglutinating Factors in Turtle Sera, Nature, 190:4770:95-96, April 1, 1961.

377

Vanderkerkove, M.; and Levigueloux, J.

Technical Difficulties in Estimating the Importance of the Rat Reservoir in Leptospirosis, Med Trop Marseilles, 20:4:440-446, July-August 1960.

Bull Hyg, 36:1:55, January 1961.

378

Webster, W.M.

Active Immunization of Young Calves against Leptospira pomona, Proc 16th Intern Vet Cong (Madrid), 2:709-710, 1959.

Vet Bull, 29:11:3401, November 1959.

- 379
 *Webster, W.M.
 Susceptibility of the Hedgehog
 (*Erinaceus Europaeus*) to Infection
 with *Leptospira pomona*, Nature, 180:
 4598:1372, 1957.
Excerpta Med, IV:12:181, January 1959.
- 380
 *Wedman, E.E.; and Driver, F.C.
 Leptospirosis and Brucellosis
 Titers in Deer Blood, J Amer Vet Med
Assoc, 130:513-514, 1957.
- 381
 Wiesmann, E.
 Bovine Leptospirosis, Schweiz Arch
Tierheilk, 99:132-140, 1957.
Vet Bull, 27:2943, 1957.
- 382
 Yanagawa, R.; Hiramune, T.; Fujita,
 J.; and Ishii, S.
 Experimental Studies on Infection
 and Immunity in Leptospirosis. III.
 The Use of Mice for Estimation of
Leptospirae, Japan J Vet Sci, 2:
 259-264, 1959. (In English)
- 383
 Yanagawa, R.; Hiramune, T.; Shimizu,
 T.; and Ishii, S.
 Experimental Studies on Infection
 and Immunity in Leptospirosis. II.
 Experimental *L. icterohaemorrhagiae* and
L. autumnalis Infection in Piglets,
Bull Natl Inst Animal Health (Tokyo),
 38:183-192, 1960. (In English)
Biol Abstr, 36:15:49714, August 1961
- 384
 Yanagawa, R.; Hiramune, T.; Shimizu,
 T.; Fujita, J.; and Ishii, S.
 Experimental Studies on Infection
 and Immunity in Leptospirosis. IV.
 Quantitative Studies on Experimental
Leptospira icterohaemorrhagiae and
Leptospira autumnalis Infection in Mice,
Japan J Vet Sci, 22:1:17-26, 1960.
Biol Abstr, 35:24:71076, December 1960.
- 385
 Yanagawa, R.; Shimizu, T.; Hiramune,
 T.; and Ishii, S.
 Experimental Studies on Infection
 and Immunity in Leptospirosis. I.
 Minimum Infectious Doses of *L. ictero-*
haemorrhagiae and *L. autumnalis* for
 Guinea Pigs, Bull Natl Inst Animal
Health, 36:23-25, 1958. (In English)
Biol Abstr, 35:5:13940, March 1960.
- 386
 *Yoder, H.W.; Bergman, E.N.; and
 Gleiser, C.A.
 Experimental Canine Leptospirosis.
 IV. Evaluation of Selected Antibodies
 in the Therapy of Acute Experimental
Leptospira icterohaemorrhagiae Infec-
 tions in Immature Dogs, J Infectious
Diseases, 100:3:257-267, May-June
 1957.
Bull Hyg, 32:11:1051, 1957.
- 387
 Zaharija, I.
 Leptospirosis *sejroe* in the Horse,
Schweiz Arch Tierheilk, 100:3:163-
 167, 1958.
Biol Abstr, 33:11:42516, July 1959.
- 388
 Zaharija, I.
 Spontaneous and Experimental *Lepto-*
spira pomona Infection in Calves,
Vet Arhiv, 29:280-292, 1959.
Vet Bull, 30:5:1347, May 1960.
- 389
 Zardi, O.
 Behavior of Fibrinogenemia in Ex-
 perimentally Infected Animals, Rend
Ist Super Sanita, 17:1007-1013, 1954.
- 390
 Zureck, F.
 Die Leptospiren der Haustiere,
Tieraerztl Umschau, 15:201-210, 1960.
Zentr Bakteriell Parasitenk Abt I Ref,
 181:1:43, 1961.

XV. ANIMAL PATHOLOGY

391

Altamirano, S.
Lytic and Agglutination Reaction
in the Blood of Rabbits Infected with
4 Strains of *Leptospira*, Rev Ecuator
Hig Med Trop, (Guayaquil), 13:4:307-
312, 1956.

392

Burki, F.
A Case of Abortion Caused by *Lepto-*
spira in the Pig, Schweiz Arch Tier-
heilk, 101:3:112-132, 1959,

Biol Abstr, 34:2:5236, October 1959.

393

Cacchione, R.A.; Bulgini, M.J.;
Martinez, E.S.; and Cascelli, E.S.
Experimental Leptospirosis. The
Effect of Leptospire upon Blood
Coagulation in Guinea Pigs, Rev
Invest Ganaderas, 9:135-147, 1960.
(English summary)

Biol Abstr, 36:22:76816, November 15,
1961.

394

Dozsa, I.; Kemenes, F.; and Szent-
Ivanyi, T.
Susceptibility of the Red Blood
Cells of Ruminants with a Four-
Chambered Stomach (pecora) to the
Haemotoxin of Pathogenic Leptospire,
Acta Vet Acad Sci Hung, 10:35-44, 1960.
(In English)

395

Fennestad, K.L.; and Borg-Petersen, C.
Studies on Bovine Leptospirosis and
Abortion. IV. Demonstration of *Lepto-*
*spiro*si in Foetus from Field Cases in
Abortion in Cattle, Nord Veterinarmed,
10:302-308, 1958.

Vet Bull, 28:3152, 1958.

396

Hekimoglu, H.
Leptospiral Abortion in Cattle and
Sheep, Etlik Vet Bakt Enst Derg, 1:
98-107, 1960. (In Turkish with
English summary)

Vet Bull, 31:5:1385, May 1961.

397

Kavtaradze, K.N.
Icteric Leptospirosis in Monkeys,
In: Questions of the Pathology of
Infection in Experiments With Mon-
keys, Sukhumi, 1958. (p. 179-184)

398

Kozicka, A.; and Parnas, J.
Microscopic and Histopathological
Examinations for Leptospirosis of
Internal Organs of Small Mammals,
Bull Acad Polonaise Sci Ser Sci Biol,
6:1:33-38, 1958.

Bull Abstr, # 41405, 1958.

399

*Langham, R.F.; Morse, E.V.; and
Morter, R.L.
Pathology of Experimental Ovine
Leptospirosis, *Leptospira pomona* In-
fection, J Infectious Diseases, 103:
3:285-290, November-December 1958.

400

*Sanders, R.H.
Leptospiral Agglutination Tests on
Canine Blood, Vet Med, 53:10:544-546,
October 1958.

401

*Twiehaus, M.J.
The Pathology of Leptospirosis in
Animals, Vet Med, 52:1:543-545,
1957.

XVI. INSECT VECTORS

402

*Burgdorfer, W.

The Possible Role of Ticks as Vectors of Leptospirae. II. Infections of the Ixodid Ticks, Dermacentor andersoni and Amblyomma maculatum, with Leptospira pomona, Exptl Parasit, 8:5:502-508, October 1959.

403

Host and Insect Vectors of Leptospirosis in Foochow. I. A Preliminary Survey, Chinese Med J, 80:173, 1960.

Vet Bull, 31:5:1386, May 1961.

404

*Parnas, J.; Zwolski, W.; Koslak, A.; and Wojtkowska, U.R.

Studies Concerning Endemic Leptospirosis in Hydrobiontics Living in Hydrobiocenosis, Zentr Bakteriolog Parasitenk Abt I Orig, 182:237-240, June 1961. (In German)

Excerpta Med, IV:15:2:558, February 1962.

XVII. AVIAN

405

Addamiano, L.; Babudiere, B.; Bussinello, E.; Giusti, G.; and Salvi, A.

Experimental Research and Observations on Leptospirosis of Birds. Its Epidemiological Importance, Rend Ist Super Sanita, 23:482-496, 1960. (In Italian)

Bull Hyg, 36:2:156, February 1961.

406

*Howarth, J.A.; and Reina-Guerra, M.

Comparative Studies on Experimental Avian Leptospirosis, J Infectious Diseases, 102:3:268-274, 1958.

Biol Abstr, 32:8076, 1958.

407

Kujumgiev, I.

Leptospira andaman A Infection in Fowls, Vet Ital, 8:490-493, 1957. (English summary)

Vet Bull, 28:2770, 1958.

XVII. METHODOLOGY

408

Addamiano, L.

Technique of Immunization of Rabbits for the Preparation of Diagnosis Antileptospira Sera and their Content of Paraspecific and Non-specific Agglutins, Rend Ist Super Sanita, 20:5:482-509, 1957.

Excerpta Med, IV:1815, 1958.

409

*Annear, D.I.

Observations on the Preservation by Drying of Leptospirae and Some Other Bacteria. Australian J Exptl Biol Med, 36:1:1-4, February 1958.

Biol Abstr, 33:6461, 1959.

410

*Boulanger, P.

Use of Tube and Plate Agglutination Tests in the Diagnosis of Leptospirosis in Cattle, Can J Public Health, 49:1:27, 1958. (Abstract)

411

*Clark, L.G.; Kresse, J.I.; Marshak, R.R.; and Hollister, C.J.

Leptospira pomona Isolations by Direct Blood Culture of Clinically Infected Cattle, J Amer Vet Med Assoc, 137:668-669, 1960.

412

*Coffin, D.L.; and Maestrone, G.

Detection of Leptospirae by Fluorescent Antibody, Amer J Vet Research, 23:93:159-164, January 1962.

413

*Cox, C.D.

Evaluation of the Hemolytic Test in Canine and Bovine Leptospirosis, Amer J Vet Research, 20:747-749, 1959.

414

*Cox, C.D.

Standardization and Stabilization of an Extract from Leptospira biflexa and Its Use in the Hemolytic Test For Leptospirosis, J Infectious Diseases, 101:2:203-209, 1957.

415

*Fuzy, M.

A Plate Method for the Agglutination Lysis Reaction in Leptospirosis, Zeit Immunitaetsforsch, 120:199-206, November 1960. (In German)

416

*Fuzy, M.; and Csola, R.

Rapid Method for Differentiation of Parasitic and Saprophytic Leptospirae, J Bact, 81:6:1008, June 1961.

417

*Havlik, O.; Pokorny, J.; and Zastera, M.

Method of Experimental Research in a Focus of Leptospira, J Hyg Epidemiol Microbiol Immunol, 4:4:494-503, 1960. (In English)

Excerpta Med, IV:14:9:2469, September 1961.

418

*Hirschberg, N.

Direct Performance and Darkfield Readings of Leptospira Tests in Plastic Trays with Depressions, J Bact, 75:2:237, 1958.

Excerpta Med, IV:11:3465, December 1958.

419

*McBride, M.E.; and Girard, K.F.

A Selective Method for the Isolation of Listeria monocytogenes from Mixed Bacterial Populations, J Lab Clin Med, 55:1:153-157, January 1960.

Bull Hyg, 35:9:930, September 1960.

420

*Menges, R.W.; Rosenquist, B.D.; and Galton, M.M.

A Method for the Isolation of Leptospirae from Voided Urine by Direct Culture, J Amer Vet Med Assoc, 137:313-316, 1960.

421

*Moulton, J.E.; and Howarth, J.A.

The Demonstration of Leptospira canicola in Hamster Kidneys by Means of Fluorescent Antibody, Cornell Vet, 47:4:524-532, 1957.

Vet Bull, 28:1715, 1958.

422

*Ringin, L.M.

The Detection of Leptospiral Antigen in Bovine Urine by Means of a Hemolytic Reaction (UHL), J Immunol, 84:582-585, June 1960.

423

*Rittenberg, M.B.; Linscott, W.D.; and Ball, M.G.

Simple Method for Separating Leptospirae from Contaminating Microorganisms, J Bact, 76:6:669-670, 1958.

Biol Abstr, 33:22390, 1959.

424

*Sekariah, P.C.; and Shukla, R.R.

Examination of Leptospira pomona by Gel Diffusion, Nature, 189:4763:511-512, 1961.

Excerpta Med, IV:14:9:2466, September 1961.

425

- *White, F.H.; and Ristic, M.
Detection of Leptospira pomona in Guinea Pig and Bovine Urine with Fluorescein-labeled Antibody, J Infectious Diseases, 105:2:118-123, September-October 1959.

XIX. STAINING AND DRYING

426

- *Annear, D.I.
The Preservation of Leptospirae by Drying from the Liquid State, J Gen Microbiol, 27:2:341-343, February 1962.

427

- Del Rey, J.; and Gutierrez, M.
Rapid Staining of Leptospirae in the Blood by the Panchromatic G 239 Dye, Med Trop, 36:184-188, October 1960. (In Spanish)

428

- *Linscott, W.D.; and Boak, R.A.
Protective Action of Glycerol in the Freezing of Leptospirae, J Bact, 80:573-574, October 1960.

429

- *Otsuka, S.; and Manako, K.
Studies on the Freeze-drying of Leptospiral, Japan J Bact, 16:814-818, September 1961. (In Japanese)

430

- *Simpson, C.F.; and White, F.H.
Electron Microscope Studies and Staining Reactions of Leptospirae, J Infectious Diseases, 109:3:243-250, November-December 1961.

431

- van Riel, J.; and van Riel, M.
A Simple Method of Staining of Leptospira, Ann Soc Belg Med Trop, 38:6:1101-1102, December 31, 1958.

XX. GENERAL EPIDEMIOLOGY

432

- *Alexander, A.D.
The Distribution of Leptospirosis in Latin America, Bull World Health Organization, 23:1:113-125, 1960.

433

- Alston, J.M.
Leptospiral Infection as an Occupational Risk to Health throughout the World, J Roy Inst Public Health, 20:7:232-246, 1957.

Excerpta Med, XVII:4:770, 1958.

434

- Altava, V.; and Barrera, M.
Details Concerning the Leptospirosis Enzootic of the Rice Fields of Castellon and its Repercussions on the Epidemiology in 1959, Rev Sanid Hig Publica, 33:521-525, November-December 1959. (In Spanish)

435

- Babudieri, B.; and Zardi, O.
Alcuni fattori di crescita delle leptospire, Ann Igiene Microbiol, 10:121-128, 1959.

436

- Bohl, E.H.
Epidemiological Studies on Leptospirosis, Ph. D. Thesis Ohio State Univ 1952.

Dissertation Abstr, 18:15:1579, 1958.

437

- Bounhour, R.L.
Apropos of Occupational Leptospirosis, Concours Med, 82:3853-3859, August 1960. (In French)

438

Brion, A.; and Bertrand, M.
Transmission of Animal Leptospirosis to Man, Concours Med, 79:42: 4504-4506, October 19, 1957.

439

Burki, F.; and Gisepe, C.
Leptospira pomona on a Farm with Different Kinds of Animals, Schweiz Arch Tierheilk, 103:63-72, 1961. (English summary)

Biol Abstr, 36:14:45662, July 15, 1961.

440

*Bryan, H.S.
Leptospirosis of Domestic Livestock, Vet Med, 52:11:535-536, 1957.

441

*Carlos Calero, M.; Reinhard, K.R.; and Owen, C.R.
Leptospirosis of Man in the Isthmus of Panama. Preliminary Serological and Epidemiological Studies, Amer J Trop Med Hyg, 6:6:1054-1060, November 1957.

442

*Coghlan, J.D.; and Norval, J.
Canicola Fever in Man from Contact with Infected Pigs, Brit Med J, 2: 5214:1711-1713, December 1960.

443

Communicable Disease Center, Atlanta, Georgia. Technology Branch # 13.
Summary of Investigations. Occurrence of Leptospirosis in Wild Animals, October 1957-March 1958: 220-223, 1957-1958.

444

D'Ascani, E.; Santarelli, E.; and Tozzini, F.
An Outbreak of Leptospira pomona Infection in Cattle, Zooprofilassi, 15:95-102, 1960.

445

Dold, H.; Jordan, G.; Merker, H.; Schmid, F.; and Sjosten, H.
An Epidemic of Leptospirosis (Mud Fever) with Special Epidemiological Features, Deut Med Wochschr, 38: 52:2322-5, 2355, December 1958.

Bull Hyg, 34:11:1111, November 1959.

446

*Freedle, J.P.
The Growing Problem of Leptospirosis, Amer J Med Technol, 27:341-356, November-December 1961.

447

*Fuchs, G.H.
On the Problem of Occupational Leptospirosis Infections among Workers in the so-called Dirty Professions, Zentr Bakteriell Parasitenk Abt I Orig, 180:549-561, December 1960. (In German)

448

*Galton, M.M.; Menges, R.W.; and Steele, J.H.
Epidemiological Patterns of Leptospirosis, Ann N Y Acad Sci, 70:3: 427-444, 1958.

Excerpta Med, XVII:5:4:1224, April 1959.

449

*Gillespie, R.W.H.; Kenzy, S.G.; Ringen, L.M.; and Bracken, F.K.
Studies on Bovine Leptospirosis. III. Isolation of Leptospira pomona from Surface Waters, Amer J Vet Research, 18:66:76-80, January 1957.

Excerpta Med, XVII:3:3326, 1957.

450

*Goard, K.E.
Infection by Leptospira pomona Contracted from Pigs by Mouth-to-Mouth Resuscitation, Med J Australia, 1:2 4:897-898, June 17, 1961.

- 451
Grazioli, C.; and Monteverde, A.
The Index of Leukocyte Sedimentation in Leptospirosis in Rice Field Workers, Folia Med, 44:851-864, October 1961. (In Italian)
- 452
Guy, J.; Houang, L.; and Placidi, I.
Leptospiroses of Man and Animals - Research Work in Morocco - Epidemiology, Maroc Med, 39:416:29-40, 1960.
- 453
Horton-Smith, C.
Infectious Diseases of Swine, Veterinary Medical Publ Co., Kansas City, 1957.
Vet Bull, 27:2870, 1957.
- 454
Herrer, A.; and Licerias de Hidalgo, J.
Leptospirosis in Peru. II. Incidence of Infection in the Rat (Rattus norvegicus) in the Town of Lima and Identification of the Origin of Infection, Rev Med Exptl, 13:1/2:84-107, 1959-1960. (English summary)
Biol Abstr, 37:5:19079, March 1, 1962.
- 455
Hughes, D.L.
Disease Transmission from Animals to Man, J Med Lab Technol, 13:5-6:360-365, 1956.
Excerpta Med, XVII:3:2317, 1957.
- 456
Jungk, G.
Leptospirosis among Drainage Workers, Arch Gewerbepathol, 15:6:565-571, 1957.
Bull Hyg, 33:6:576, 1958.
- 457
Kathe, J.
Leptospirosis as an Occupational Disease, Arch Gewerbepath u Gewerbehyg, 17:3:316-328, 1959.
Bull Hyg, 35:9:893-894, September 1960.
- 458
*Kolochine-Erber, B.; and Mailloux, M.
Human Leptospiroses Caused by L. pomona and L. mitis Johnson 1942 (swine-herd's disease), Ann Inst Pasteur, 100:1:53-70, January 1961, (In French)
- 459
*Leptospirosis Isolated from Ticks, Vet Med, 52:11:545, 1957.
- 460
Ludford, C.G.
Transmission of Disease from Animals to Man, Queensland Agric J, 86:3:187-190, 1960.
Biol Abstr, 35:23:67638, 1960.
- 461
*McCrumb, F.R., Jr.
Epidemiologic and Public Health Aspects of Leptospirosis, Vet Med, 52:11:528-531, 1957.
- 462
McCrumb, F.R., Jr.
Leptospirosis. Modes of Contact: Rice Fields, Swimming, Cane Field, Military Operation, Water Accident, Direct Contamination, GP, 20:106-114, 1959.
- 463
Mochmann, H.
Leptospirosis in Domestic Animals, Berlin Muench Tieraerztl Wochschr, 70:181-185, 1957.
Vet Bull, 27:2942, 1957.

464

Mochmann, H.; and Mahnke, P.F.
Leptospiroses of Domestic Swine
and their Significance for the
Epidemiology of Human Leptospiroses,
Beitr Hyg Epidemiol, #13:1-53, 1959.
(In German) (148 references)

465

*Morse, E.V.
Leptospirosis Carriers, Vet Med,
53:5:252, May 1958.

466

*Mosier, J.E.
Leptospirosis of Pet Animals, Vet
Med, 52:11:537-539, November 1957.

467

*Pathy, M.S.
Infection with Different Species
of Leptospire in Husband and Wife
(possibly acquired from dog), J
Clin Pathol, 13:2:165-167, March 1960.

468

Rozera, G.
Leptospirosis as an Occupational
Disease, Omnia Therap, 8:1:1-23,
1956.
Excerpta Med, XVII:4:1530, 1958.

469

*Schnurrenberger, P.R.; Tjalma, R.A.;
Stegmiller, H.E.; and Wentworth, F.H.
Bovine Leptospirosis - a Hazard
to Man, J Amer Vet Med Assoc, 139:
884-888, October 15, 1961.

470

Sebek, Z.
Survey of Leptospirosis in Field
Animals, Angewandte Parasit, 1:2-3:
52-56; 84-88, August & October 1960.
Bull Hyg, 36:8:779, August 1961.

471

Shode, R.R.; Brown, M.A.; and Redmond,
H.E.
Results of a Blood Test for Brucel-
losis and Leptospirosis in a Large
Dairy Herd, J Dairy Sci, 41:11:1633,
1958.

Biol Abstr, 33:22707, 1959.

472

*Sleight, S.D.; and Williams, J.A.
Transmission of Bovine Leptospiro-
sis by Coition and Artificial Insemin-
ation. A Preliminary Report, J Amer
Vet Med Assoc, 138:3:151-152, 1961.

Biol Abstr, 36:19:65381, October 1,
1961.

473

Stoica, I.; Ceausu, E.; Cresco, T.;
Benedek, C.; Agache, V.; and Pop, I.
Epidemiological Considerations on
Leptospiroses in the Region of Baia
Mare, Microbiol Parazitol Epidemiol,
1:4:72-78, 1956.

Excerpta Med, XVII:4:773, 1958.

474

*Snyder, P.H.
An Attack of Leptospirosis in a
Dairy Herd, Veterinarian, 18:3:174-
175, September 1958.

475

Steele, J.H.
Epidemiologic Aspects of Lepto-
spriosis, Pediatrics, 22:387-394,
1958.

476

*Steele, J.H.; Galton, M.M.; and
Menges, R.W.
Leptospirosis as a World Problem,
Vet Med, 52:11:517-527, 1957

- 477
Szyfres, B.
Study of Bovine Leptospirosis and its Human Repercussions (Preliminary note), Prensa Med Argent, 47:889-891, April 1960. (In Spanish)
- 478
Thiel, P.H. van; and Engelbrecht, E.
Mode of Infection of Man with Pathogenic Leptospirae, Documenta Med Geograph Trop, 9:1:52-57, 1957.

Excerpta Med, IV:11:116, 1958.
- 479
Valenti, M.
Focus of Leptospirosis in a Tunnel under Construction, Policlinico, 68:1354-1358, September 11, 1961. (In Italian)
- 480
*Valezuela, M.R.
Epidemiological Aspects of Porcine Leptospirosis, Bull Pan Amer Sanit Bur, 48:145-150, 1960.
- 481
*van der Hoeden, J.
Epizootiology of Leptospirosis, Advances in Veterinary Sci, 4:277-339, 1958.
619 A24
- 482
van Riel, J.; and Gaspart, P.
First Human Cases in Belgium of Infection with Leptospira grippotyphosa, Bruxelles-Med, 38:46:1889-1893, November 1958.

Bull Hyg, 34:6:538, June 1959.
- 483
Warfolomejeva, A.A.
Characteristics and Nomenclature of the Carriers of the Leptospirae L monjakow, Zentr Bakteriell Parasitenk, Abt I Orig, 171:1/2:71-75, 1958.

Excerpta Med, IV:572, 1959.
- 484
*Washburn, A.M.
Leptospirosis, Morbidity & Mortality, 9:7:2, February 1960.
- 485
Wojkowska-Uminska, R.; Koslak, A.; Figura, K.; and Wajswaser, R.
Studies of Leptospira grippotyphosa in Swamps, Bull Off Intern Epizoot, 51:843-853, 1959. (English summary)
- 486
Wolff, J.W.; Herman, A.L.; and Bohlander, H.J.
A Survey of the Occurrence of Leptospirosis in a Dairy Herd in the Republic of Panama, Trop Geogr Med, 12:82-90, March 1960.
- 487
*World Health Organization.
Joint WHO/FAO Expert Committee on Zoonoses. Second Report, Geneva, Tech Rept Ser, # 169:19-26; annex 6 & 7:70-72, 1959.
- XXI. LABORATORY INFECTION
- 488
*Babudieri, B.
Laboratory Diagnosis of Leptospirosis, Bull World Health Organization, 24:1:45-58, 1961.

Bull Hyg, 36:7:672, July 1961.
- 489
Bertok, L.; Kemenes, F.; and Szarka, G.
A Case of Laboratory Infection with Leptospira canicola Adapted to Rodents, Orvosi Hetilap, 101:1711-1713, November 27, 1960. (In Hungarian)
- 490
Cox, C.D.
The Laboratory Diagnosis of Human Leptospirosis, S Dakota J Med Pharm, 13:1-5; passim, January 1960.

491

- *Fuzi, M.; and Csoka, R.
Leptospirosis of White Laboratory
Rats, Nature, 191:1123, 1961.
Vet Bull, 32:1:59, January 1962.

492

- *Gochenour, W.S., Jr.
Laboratory Diagnosis of Lepto-
spiroosis: Demonstration of Lepto-
spires, Vet Med, 52:11:562-570, 1957.

493

- *Gochenour, W.S., Jr.; Gleiser, C.A.;
and Ward, M.K.
Laboratory Diagnosis of Lepto-
spiroosis, Ann N Y Acad Sci, 70:421-
426, 1958.

494

- Kappeler, R.; Barandun, S.; Luethi,
H.; and Wiesmann, E.
A Laboratory Infection with Lepto-
spira ballum with Orchitis as a Com-
plication, Schweiz Med Wochschr, 91:
27:810-812, July 1961. (In German)
Bull Hyg, 36:10:1038, October 1961.

495

- *Kleinschmidt, A.; and Christ, P.
A Laboratory Infection Caused by
Leptospira ballum, Zeit Immunitats-
forsch, 117:2:107-113, February
1959.
Bull Hyg, 34:11:1113, November 1959.

496

- *Mochmann, H.; and Schmutzler, R.
Successful Prophylaxis with Anti-
biotics in Laboratory Infection with
Virulent Leptospirae icterhaemorrhag-
iae, Zentr Bakteriell Parasitenk Abt
I Orig, 165:2-3:148-155, 1956.
Excerpta Med, VI:11:5197, 1957.

497

- *Ringin, L.M.; and Okazaki, W.
Susceptibility of Several Different
Laboratory Animals to Infection with
Leptospira pomona, J Infectious
Diseases, 99:1:60-62, July-August
1956.

Excerpta Med, IV:10:2629, 1957.

498

- *Sharp, C.F.
Laboratory Diagnosis of Leptospir-
osis with the Sensitised Erythrocyte
Lysis Test, J Pathol Bact, 76:2:349-
356, 1958.

Biol Abstr, 33:4:14726, March 1959.

499

- *Stoenner, H.G.; and Maclean, D.
Leptospirosis (ballum) Contracted
from Swiss Albino Mice, Arch Intern
Med, 101:606-610, 1958.

500

- *Wolff, J.W.
The Laboratory Diagnosis of Lepto-
spiroosis, Charles C. Thomas, Spring-
field, 1954.

XXII. EPIDEMIC COUNTRIES

A. Africa

501

- *Burdin, M.; Froyd, G.; and Ashford,
W.A.
Leptospirosis in Kenya due to
Leptospira grippotyphosa, Vet Record,
70:41:830-834, October 1958.

502

- Gear, J.; Wolstenholme, B.; Jackson,
A.; Chesler, E.; and Brueckner, R.M.
Leptospirosis in South Africa: The
Occurrence of Cases of Leptospiral
Meningo-Encephalitis on the Wit-
watersrand, S African Med J, 32:4:94-
100, 1958.

Excerpta Med, VI:12:6698, 1958.

503

*Segretain, G.; Baylet, J.; Darasse, H.; and Camain, R.
Leptosphaeria senegalensis n. sp.
 Agent of Black Mycetoma, Compt rend, 248:26:3730-3732, 1959.

Excerpta Med, IV:13:2:656, February 1960.

504

van Riel, J.; and van Riel, M.
 Investigation into Leptospirosis in Goats and Sheep on Central Africa, Documenta Med Geograph Trop, 8:55-60, 1956. (In English)

Vet Bull, 28:1374, 1958.

B. Australia, New Zealand and Queensland

505

Dodd, D.C.; and Brakenridge, D.T.
Leptospira icterohaemorrhagiae AB Infection in Calves, N Zealand Vet J, 8:71-76, 1960.

506

Doherty, R.L.
 Further Observations on the Treatment of Leptospirosis, Australasian Ann Med, 5:1:23-31, 1956.

Excerpta Med, VI:11:5196, 1957.

507

Ferris, A.A.
 Leptospirosis in Victoria, Australia, Proc Sixth International Congress of Microbiology, 5:28-29, 1955.

508

Kirschner, L.; and Magruie, T.
 Survival of Leptospira Outside their Hosts, N Zealand Med J, 56:385-391, 1957.

509

Josland, S.J.; Allen, R.E.; Cashore, S.; and Scott, H.M.
 Survey Work on Human Leptospirosis in New Zealand, N Zealand Med J, 56:312:128-131, 1957.

Bull Hyg, 32:11:1049, 1957.

510

Rudge, J.M.
 Observations on the Efficiency of Animal Inoculation for Isolating Leptospirae from Kidney Tissue, N Zealand Vet J, 6:1:15-16, 1958.

Excerpta Med, IV:12:179, January 1959.

511

Russell, R.P.; and Hansen, N.F.
 Incidence of Leptospira hyos and Leptospira pomona Infection in Pigs in New Zealand, N Zealand Vet J, 6:50-51, 1958.

Vet Bull, 28:3153, 1958.

512

Webster, W.M.
 The Hedgehog as a Potential Reservoir for Leptospira pomona, N Zealand Vet J, 5:113, 1957.

Vet Bull, 28:2427, 1958.

C. Bulgaria

513

Angelov, S.; and Kuiumdzhev, I.
 Human and Animal Leptospirosis in Bulgaria and Survey of Causative Strains of Leptospira. IV., Izvest Mikrobiol Inst Sofia, 9:3-8, 1958.

514

Angelov, S.; and Kuiumdzhev, I.
 Leptospirosis in Bulgaria, Zooprofilassi, 15:555-562, 1960.

515

Kujumgiev, I.
Serotypes of Leptospire in Bulgaria. General Survey and Personal Studies, Zeit Hyg Grenzebiote, 6:2: 106-110, February 1960.

516

Lankov, N.; Mitov, A.; Savov, S.; Pantev, S.I.; and Toedossiev, L.
A Field Rodent, Apodemus agrarius as a Carrier of L. bataviae, Suvrem Med (Sofia), 7:10:86-87, 1956

517

Mateew, D.
The Leptospire of Bulgaria, Zeit Hyg Grenzebiote, 5:1:45-55, January-February 1959.

Bull Hyg, 34:11:1112, November 1959.

518

*Mateew, D.; Kujumdjiew, D.; Budurow, Iw.; and Stojanow, D.
Die Leptospire als Berufskrankheit der Schlachthofarbeiter in Bulgarien, Zentr Bakteriolog Parasitenk Abt I Orig, 183:2:203-216, 1961.

519

*Pavlov, P.
The Theory of E.N. Pavlovskii on the Natural Focal Occurrence of Diseases and the Development of this Theory in Bulgaria, J Microbiol Epidemiol Immunobiol, 31:9:1673-1678, 1960. (In English)

520

Toshkov, A.; Kostov, V.; and Kamburov, G.
Liquoid, Naganol and Asuntol in Hemocultures in Leptospirosis, Izvestia Mikrobiol Inst (Sofia), 11:159-168, 1960. (In Bulgarian)

521

Tshemishansky, G.
Some Rare Clinical Forms of Benign Leptospirosis (Febris Aquatilis) Observed in the Lower Part of the Kamtshia River, Sovet Med, 9:1:17-25, 1958. (In Bulgarian)

Excerpta Med, IV:12:6:1754, June 1959.

522

Vaptzarov, I.; and Petrov, P.
A Bacterial Neuro-Infection and Leptospiral Meningitis in Children; Based on Data from the Pediatric Clinic in Plovdiv, Bulgaria, J Med Lyon, 40:945, 447-457, May 1959.

D. Canada

523

*Boulanger, P.; Mitchell, D.; Smith, A.N.; and Rice, C.E.
Leptospirosis in Canada. III. A Study of the Importance of the Disease on Cattle as Shown in Combined Serological, Clinical and Bacteriological Investigations, Can J Comp Med, 22:127-143, 1958.
Vet Bull, 28:3513, 1958.

524

Fish, N.A.; and Gringer, L.
Report of Investigational Studies of Bovine Leptospirosis in Ontario, Can J Comp Med, 21:267-275, 1957.
Vet Bull, 28:373, 1958.

525

*McKiel, J.A.; Cousineau, J.G.; and Hall, R.A.
Leptospirosis in Wild Animals in Eastern Canada with Particular Attention to the Disease in Rats, Can J Comp Med Vet Sci, 25:1:15-18, January 1961.

- 526
*Mitchell, D.
Bovine Leptospirosis in Canada,
Allied Vet, 33:2:54-58, March-April
1959.
Vet Bull, 29:10:549, October 1959.
- 527
*Mitchell, D.; and Boulanger, P.
Leptospirosis in Canada. IV. An
Atypical Mastitis in Cattle Due to
Leptospira pomona, Can J Comp Med,
23:250-255, 1959.
- 528
*Mitchell, D.; Boulanger, P.; Smith,
A.N.; and Bannister, G.L.
Leptospirosis in Canada. V. Infec-
tion in Cattle with a Serotype of the
"Hebdomadis" Group, Can J Comp Med Vet
Sci, 24:8:229-234, August 1960.
- E. Czechoslovakia
- 529
Asmera, J.
Leptospirosis grippotyphosa in the
Hare, Lepus europaeus, Ceskoslov
Epidemiol Mikrobiol Immunol, 9:501-
504, September 1960. (In Czech)
- 530
Asmera, J.; and Eisler, L.
Leptospirosis in Shamblers Workers
in Ostrava County, Pracovni Lekarstvi,
12:8:422-426, 1960. (In Czech)
Excerpta Med, IV:14:7:1940, July 1961.
- 531
Bakoss, P.
The Effect of Antibiotic Treatment
on Antibody Formation in Leptospiro-
ses. III. The Effect of Penicillin
Treatment in the Incubation Period on
Antibody Formation in Rabbits Experi-
mentally Infected with L. ictero-
haemorrhagiae, Bratislav Lekarske
Listy, 40:1:12:729-739, 1960. (In
Czech with English Summary)
Excerpta Med, IV:14:5:1338, May
1961.
- 532
Bakoss, P.; Kmety, E.; and
Vachold, J.
Carriership of Leptospirae in
Hedgehogs in Slovakia, Ceskoslov
Epidemiol Mikrobiol Immunol, 9:1:
12-15, 1960.
Excerpta Med, XVII:6:12:3971,
December 1960.
- 533
Cyrus, B.
Allergic Tests for the Diagnosis of
Leptospirosis, Sb Cesk Akad Zemedel
Ved Vet Med, 29:133-156, 1956.
(In Czech with English summary)
Vet Bull, 28:43, 1958.
- 534
Gilka, F.
Diagnosis of Leptospiral Jaundice
in Piglets, Sb Cesk Akad Zemedel
Ved Vet Med, 30:43-50, 1957. (In
Czech with English summary)
Vet Bull, 28:1375, 1958.
- 535
Havlik, O.
Standardization of Agglutination
in Leptospirosis, Ceskoslov Epi-
demiol Mikrobiol Immunol, 6:6:378-
380, November 1957. (In Czech)
- 536
Havlik, O.; Frummauer, Z.; and
Zastera, M.
New Reservoirs of Leptospira
grippotyphosa, Ceskoslov Epidemiol
Mikrobiol Immunol, 6:6:361-365,
November 1957.
Excerpta Med, IV:12:5:1355, May 1959.
- 537
*Kmety, E.
Results of Experimental Leptospiro-
sis Research in Czechoslovakia, Zentr
Bakteriol Parasitenk Abt I Orig, 168:
3-4:277-280, 1957.

538

Kmety, E.

Suggestion of a Standard Method for Carrying Out the Agglutination and Lysis Reaction in Leptospiroses, Ceskoslov Epidemiol Mikrobiol Immunol, 6:6:372-377, 1957.

Excerpta Med, IV:12:5:1352, May 1959.

539

Kolar, O.

Leptospiral Antiopathy of the Central Nervous System, Ceskoslov Neurol, 20:6:399-408, November 1957.

540

Lebeda, M.

Serological Characteristics, Pathogenicity, Virulence and Immunogenicity of Leptospira icterohaemorrhagiae in Relation to Vaccine Production, Vet Casopis, 9:508-519, 1960. (In Czech with English summary)

541

Mittermayer, T.; and Kmety, E.

Clinical and Epidemiological Experiences in an Epidemic of Leptospiroses in Eastern Slovakia in the Year 1954, Bratislav Lekarske Listy, 36:1:16-24, 1956.

Excerpta Med, XVII:10:2369, 1957.

542

*Petru, M.; and Pokorny, B.

Leptospira canicola in the Czechoslovakia Republic, Zentr Bakteriolog Parasitenk Abt I Orig, 163:7-8:458-463, 1955. (In German)

Excerpta Med, VI:11:5198, 1957.

543

Plesko, I.; Bakoss, P.; Kmety, E.; and Vachold, J.

Carriage of Leptospire in Hedgehogs in Slovakia, Ceskoslov Epidemiol Mikrobiol Immunol, 9:1:12-15, 1960. (English summary)

Bull Hyg, 35:6:582, June 1960.

544

Pokorny, B.

Natural Foci and Reservoirs of Leptospirosis in South-Eastern Bohemia, Sb Cesk Akad Zemedel Ved Vet Med, 3:31:263-270, 1958.

Vet Bull, 29:6:1712, June 1959.

545

Pokorny, J.; and Havlik, O.

Experimental Infection of Apodemus sylvaticus L, with Leptospira (L. grippotyphosa), Ceskoslov Epidemiol Mikrobiol Immunol, 9:88-92, March 1960.

546

Pokorny, J.; and Havlik, O.

Purification of Contaminated Cultures of Leptospire with Membrane Filters, Ceskoslov Epidemiol Mikrobiol Immunol, 6:3:204-208, 1957.

Bull Hyg, 32:12:1197, 1957.

547

Pokorny, B.; Lehky, F.; Sebek, Z.; and Vosta, J.

Natural Foci and Vectors of Leptospirosis in Czechoslovakia, Sb Cesk Akad Zemedel Ved Vet Med, 4:32:127-132, 1957.

548

*Pokorny, B.; Lehky, F.; Sebek, Z.; and Vosta, J.

Weitere Neue Leptospirenträger in Böhmen, Zentr Bakteriolog Parasitenk Abt I Orig, 172:1/2:135-141, July 1958.

549

Pokorny, J.; and Sobeslavsky, O.

An Attempt to Isolate Leptospirae from Waterfowl, Ceskoslov Epidemiol Mikrobiol Immunol, 9:7:505-506, 1960.

Bull Hyg, 36:2:196, February 1961.

550

Rezek, V.; and Vosta, J.

Eye Diseases Caused by Leptospira canicola, Ceskoslov Ophthalmol, 13:3:226-228, 1957.

- 551 Sebek, Z.
Leptospira Survey Among Wild Animals in Czechoslovakia, Angew Parasit, 1:52-56; 84-88, 1960.
Vet Bull, 31:11:3525, November 1961.
- 552 Sebek, Z.
Leptospiroses in the Region of Jihlava, Ceskoslov Epidemiol Mikrobiol Immunol, 6:6:365-371, 1957.
Excerpta Med, IV:12:3:979, March 1959.
- 553 Sebek, Z.
Spontaneous Appearance of Leptospira seiroe in White Mice, Ceskoslov Epidemiol Mikrobiol Immunol, 6:5:325-326, September 1957.
Excerpta Med, IV:11:2143, 1958.
- 554 Sebek, Z.; Janicek, B.; and Sula, V.
Epidemic of Weil's Disease in Jihlava in Spring 1958, Ceskoslov Epidemiol Mikrobiol Immunol, 9:2:126-134, 1960.
Bull Hyg, 35:673-674, July 1960.
- 555 Sova, Z.
Acute Hepatitis in Horses Caused by Leptospira ballum, Vet Casopis, 7:447-453, 1958. (In Czech with German summary)
Vet Bull, 29:7:2029, July 1959.
- 556 Sova, Z.
The Agglutination-Lysis Reaction in the Diagnosis of Equine Leptospirosis, Sb Cesk Akad Zemedel Ved Vet Med, 5:205-216, 1960. (In Czech with German summary)
Vet Bull, 30:8:2484, August 1960.
- 557 Sova, Z.
Leptospira seiroe in Horses, Vet Casopis, 8:161-166, 1959. (In Czech with English summary)
Vet Bull, 29:10:549, October 1959.
- 558 Vosta, J.
A Focus of Leptospirosis in Tabor, Ceskoslov Parasit, 8:403-414, 1961.
Bull Hyg, 36:12:1269, December 1961.
- F. France
- 559 Besseige, H.; Rigaud, J.L.; and Fourous, E.
A Familial Epidemic of Leptospirosis, Bull Soc Pathol Exotique, 53:3:404-407, 1960.
Biol Abstr, 36:20:69219, October 15, 1961.
- 560 Kolochine-Erber, B.
Human Leptospirosis in France According to Serum Agglutination Tests over a 20-year Period (1933-1952), Pathol Biol, 7:21-22:2281-2291, 1959.
Excerpta Med, VI:14:9:6052, September 1960.
- 561 *Kolochine-Erber, B.; and Mailloux, M.
Les Leptospiroses Porcines en France, Ann Inst Pasteur, 99:3:359-375, September 1960.
- 562 Kolochine-Erber, B.; and Mailloux, M.
Porcine Leptospirosis in France. Incidence in Human and Veterinary Medicine, Rev Diagn Biol, 10:2:101-109, 1961.
Excerpta Med, IV:15:2:557, February 1962.

563

Kolochine-Erber, B.; Mailloux, M.; Hugonot, R.; Delons, S.; Fulcrand, G.; and Foissac-Gegoux, P.

Leptospiroses Observed in Rabat in 1960, Maroc Med, 40:961-965, September 1961. (In French)

564

Kolochine-Erber; B., Mailloux; M.; and Wiart, J.

Human Leptospirosis Due to L. australis in France, Presse Med, 67: 56:2089-2090, November 28, 1957. (In French)

Excerpta Med, VI:15:2:931, February 1961.

565

Laporte, A.

Leptospirosis Caused by L. icterohaemorrhagiae, Rev Praticien, 7:12: 1277-1283, 1957.

Excerpta Med, VI:12:3762, July 1958.

566

Mailloux, M.; and Kolochine-Erber, B. L. pomona and L. mitis Leptospiroses in Swine and Humans in France, Ergeb Mikrobiol Immunitaetsforsch, 34:363-386, 1961.

Bull Hyg, 36:10:1038, October 1961.

567

Mailloux, M.; Kolochine-Erber, B.; and Fremont, J.

Leptospirosis Caused by L. australis in France, New Records, Presse Med, 69:723-724, April 1, 1961. (In French)

568

Vandekerkove, M.; and Levigueloux, J.

Technical Difficulties in Determination of the Extent of the Reservoir of Murine Virus in Leptospirosis, Med Trop (Marseille), 20:440-446, July-August 1960. (In French)

G. Germany

569

Dold, H.; Jordan, G.; Merker, H.; Schmid, F.; and Sjosten, H.

An Epidemic of Leptospirosis Grippa-Typhosa, Deut Med Wochschr, 83:52:2322-2325, 1958.

Excerpta Med, VI:14:1:82, January 1960.

570

Gdanietz, K.; and Teuscher, G.

Observations on Leptospirosis in Spreewald, Zeit Aerztl Forbild, 55:66-67, June 1, 1961. (In German)

571

Kunert, H.

On the Epidemiology of Leptospiroses, Oeff Gesundheitsdienst, 23: 579-587, November 1961. (In German)

572

Leopold, G.P.

Bemerkenswerte Leptospirosen in Leipzig, Zentr Innere Med, 14:81-90, 1959.

Zentr Bakteriolog Parasitenk Abt I Ref, 181:1:44, 1961.

573

Parnas, J.; Koslak, A.; and Krukowska, M.

Research on the Leptospiral Group "hebdomadis" in the Natural Foci of Leptospiroses, Arch Hyg Bakteriolog, 145:636-642, December 1961. (In German)

574

Popp, L.

The Epidemiology of Field Fever in the Foothills of Lower Saxony, Arch Hyg Bakteriolog, 144:345-374, July 1960. (In German)

H. Great Britain

575

*Broom, J.C.

Leptospiral Infection Rates in Wild Rats in Britain, J Hyg, 56:3:371-376, September 1958.

576

*Broom, J.C.; and Coghlan, J.D.

Leptospira ballum in Small Rodents in Scotland, Lancet, 2:7055:1041-1042, November 1958.

577

Cunningham, M.P.; McIntyre, W.I.M.; and Ives, C.J.

Incident of Canine Leptospirosis in Glasgow, Vet Record, 69:903-906, 1957.

Vet Bull, 28:375, 1958.

578

Norris, T.S.

Leptospirosis in the United Kingdom, Med World, 90:118-122, 1959.

I. Hungary

579

Alfoldy, Z.

Epidemiological Peculiarities of Leptospirosis in Hungary, Living Conditions & Health (Vienna), 2:1:41-49, 1960.

Bull Hyg, 35:11:1120, November 1960.

580

Alfoldy, Z.; and Fuzi, M.

Leptospirosis of Rodents in a Region of S.E. Hungary, Acta Microbiol Hung, 4:167-173, 1957.

581

Bals, M.; Serbanescu, F.; Sterescu, P.; Tofan, N.; Caruntu, F.; Roman, A.; and Titeica, M.

Clinical Aspects of the Leptospiroses in the Region of Bucharest, Probleme Terap, 8:73-83, 1957.

Excerpta Med, VI:1395, March 1959.

582

Bertok, L.; and Kemenes, F.

Studies on the Lipase-system of Leptospirae. I. Tributyrinase Activity, Acta Microbiol Acad Sci Hung, 7:3:251-259, 1960.

Biol Abstr, 36:12:38106, June 15, 1961.

583

Bokori, J.; Hirt, G.; Kasza, L.; Kemenes, F.; and Kuthy, L.

Treatment of Leptospirosis in Horses, Magyar Allator Lapja, 12:9-15, 1957.

Vet Bull, 27:3208, 1957.

584

Bokori, J.; Kemenes, F.; and Szémeredi, G.

Leptospira pomona Infection in Sheep in Hungary, Magyar Allator Lapja, 13:352-354, 1958.

Vet Bull, 29:9:2750, September 1959.

585

Ferenc, K.

Leptospira hemolysis and Abortion, Magyar Allator Lapja, 151, June 1958.

J Amer Vet Med Assoc, 133:7:361, 1958. (Abstract)

586

Fuzi, M., Alfoldy, Z.; and Kiszal, J.

Incidence of Leptospiroses in 1954. Orvosi Hetilap, 99:13:419-423, 1958.

Excerpta Med, XVII:5:4:1226, April 1959.

587

Fuzi, M.; Alfoldy, Z.; Kiszal, J.; and Nyerges, G.

Leptospirosis Frequency During 1955-1956, Orvosi Hetilap, 100:47:1688-1692, 1959.

Excerpta Med, XVII:7:4:1520, April 1961.

588

Fuzi, M.; Alföldy, Z.; Kiszél, J.; and Radits, I.
Leptospirosis in Field Rodents in Western Hungary, Acta Microbiol Acad Sci Hung, 4:155-166, 1957. (In German)

Bull Hyg, 32:12:1151, 1957.

589

Fuzi, M., and Kiszél, J..
Leptospira Infection of Dogs in Budapest, Acta Microbiol Acad Sci Hung, 5:1:53-57, 1958.

Excerpta Med, XVII:5:8:2402, August 1959.

590

Fuzi, M.; and Kiszél, J.
The Leptospiral Infection of Dogs in Budapest. Egészségtudomány, 1:3: 181-184, 1957.

Excerpta Med, XVII:5:4:1229, April 1959.

591

Fuzi, M.; and Kiszél, F.
Leptospirosis Studies in the Tapio Region, Acta Microbiol Acad Sci Hung, 7:383-390, 1960.

Excerpta Med, IV:14:10:2765, October 1961.

592

Hirt, G.; Kasza, L.; and Kemenes, F.
Leptospirosis of Horses in Hungary, Magyar Allator Lapja, 12:2-9, 1957.

Vet Bull, 27:3207, 1957.

593

Jivoin, P.
Leptospirosis in Horses, Yearbook Inst Anim Pathol Hyg (Bucharest), p. 40, 1957.

J Amer Vet Med Assoc, 134:5:234, March 1959. (Abstract)

594

Kasza, L.; Kemenes, F.; and Szemerédi, G.

Leptospira hyos as Cause of Abortion in Sows, Magyar Allator Lapja, 12:211-214, 1957.

Vet Bull, 28:2054, 1958.

595

Kemenes, F.
Leptospiral Serotypes in Hungary, Acta Vet Hung, 8:43-51, 1958. (In English)

Vet Bull, 28:3515, 1958.

596

Kemenes, F.
The Significance of Haemolysis Caused by Pathogenic Leptospira, Acta Vet Hung, 8:143-150, 1958. (In German)

Vet Bull, 29:5:1345, May 1959.

597

Kiszél, J.; Alföldy, Z.; and Fuzi, M.
Leptospirosis in Rodents in South-East Hungary, Acta Microbiol Acad Sci Hung, 4:167-173, 1957. (In German)

Bull Hyg, 32:12:1151, 1957.

598

Kiszél, J.; and Fuzi, M.
Examination of Domestic Animals Affected by Leptospira in a South-Hungarian Community, Acta Microbiol Hung, 4:4:377-389, 1957.

599

Kiszél, J.; and Fuzi, M.
Leptospiral Infection Among the Domestic Animals in a South-East Hungarian Village, Egészségtudomány, 2:2:97-104, 1958.

Bull Hyg, 33:11:1044, November 1958.

- 600 Klipper, A.; Bader, M.; and Paina, N.
Epidemiologische Studien über eine
Leptospirose in einer Schweinezüchter
und-masterei, Microbiologia (Bucar-
esti) 3:427-431, 1958.
Zentr Bakteriell Parasitenk Abt I Ref,
174:13/16:352, 1960.
- 601 Kubinyine, S.M.; and Hegyessy, G.
Leptospirosis in Hungary in the
Years 1958-1960, Orvosi Hetilap,
102:1696-1699, September 3, 1961.
(In Hungarian)
- 602 Pentek-Juhasz, M.
Haemolytic Properties of Lepto-
spira biflexa Strains, Acta Vet Acad
Sci Hung, 10:3:233-237, 1960.
Excerpta Med, IV:14:1:112, January
1961.
- 603 Sefer, M.; Israel, H.; and Bercea,
I.
Leptospiroses in the Region of
Constantza, Microbiologia (Bucuresti),
4:2:123-130, 1959.
Excerpta Med, XVII:6:12:3970, Decem-
ber 1960.
- J. India
- 604 *Adinarayanan, N.; Jain, N.C.;
Chandiramani, N.K.; and Hajela, S.K.
Studies on Leptospirosis among
Bovines in India. I. A Preliminary
Report on the Occurrence in Cattle
Based on Serological Evidence,
Indian Vet J, 37:5:251-254, May 1960.
- 605 Animal Leptospirosis in Malaya, WHO
Chronicle, 15:343-345, September 1951.
- 606 *Ball, M.G.; and Sheikh, U.
Survey for Leptospirosis in Bombay,
Amer J Hyg, 67:1:66-71, January 1958.
Excerpta Med, LV:11:3472, December
1958.
- 607 Dalai, P.M.
Leptospirosis in Bombay: Report
of Five Cases, Indian J Med Sci, 14:
295-301, April 1960.
- K. Israel
- 608 Cochavy, Z.
The Epidemiology of Leptospirosis
in Man in Israel 1949-1957, Harefuah,
57:2:1113, November 1959.
Bull Hyg, 34:11:1112, November 1959.
also: Israel Med J, 19:7/8:169-
177, July-August 1960.
Excerpta Med, IV:14:11:3088, Novem-
ber 1961.
- 609 - Marberg, K.
Leptospirosis in Israel. Clinical
Forms and Problems of Treatment,
Harefuah, 48:11:235-240, 1955.
Excerpta Med, VI:11:5182, 1957.
- 610 Sapiro-Hirsch, R.; and Hirsch, W.
Isolation of Leptospira mini from
Man in Israel, Harefuah, 50:10:313-
314, 1960.
Excerpta Med, IV:14:1:109, January
1961.
- 611 van der Hoeden, J.
Isolation of Leptospira mini from
Man in Israel, Harefuah, 58:313-
314, May 1960.

612

van der Hoeden

Newer Knowledge of *Leptospira* Serotypes and Their Vectors in Israel, Bull Research Council Israel Sect E, 6:3-4:xxvii-xxviii of Proc, 1957. (In English)

613

van der Hoeden, J.; and Szenberg, E.

Current Knowledge of the Distribution of *Leptospirae* in Israel, Refuah Vet, 18:113-115, June 1961.

614

van der Hoeden, J.; and Szenberg, E.

Data Concerning *Leptospirosis* Research in Israel, Harefuah, 61:91-92, August 1, 1961. (In Hebrew)

615

Wolff, W.N., and Schen, R.J.

Leptospirosis canicola in Tel Aviv: Report on Three Cases, Harefuah, 57:29-31, July 1959.

L. Italy

616

Cavrini, C.; Mondini, S.; and Pinelli, G.

Leptospirosis in Pigs in Bologna, Atti Soc Ital Sci Vet, 12:585-588, December 1959.

Vet Bull, 29:12:3749,

617

Ceresa, C.; Grazioli, C.; and Monteverde, A.

The Behaviour of the Thrombocytes in *Leptospiroses*, Med Int (Milano), 67:5:177-180, 1959.

Excerpta Med, VI:14:5:2942, May 1960.

618

Ceresa, C.; Grazioli, C.; and Monteverde, A.

On the Behavior of Thromboelastograms in Rice-Field *Leptospirosis*, Minerva Med, 51:3544-3552, October 20, 1960. (In Italian)

619

Dotti, F.

Further Observations on the Incidence of *Leptospirosis* in the Po Valley, Igiene Moderna, 51:11/12:867-882, Nov-Dec 1958.

Bull Hyg, 35:3:268, March 1960.

620

Farina, R.

Leptospirosis in Sheep. Experimental Infection with *L. icterohaemorrhagiae*. I. Introduction, Univ Pisa Ann Fac Med Vet, 12:1-5, 1959.

Vet Bull, 30:12:3837, December 1960.

621

Farina, R.; and Sessi, P.

Leptospirosis in Sheep. Experimental Infection with *L. icterohaemorrhagiae*. II. Bacteriology and Immunology, Univ Pisa Ann Fac Med Vet, 12:6-14, 1959. (English summary)

Vet Bull, 30:12:3838, December 1960.

622

Farneti, F.; and Raisi, F.

Incomplete Forms of *Leptospirosis*, Athena (Roma), 23:1:13-19, January 1957.

623

Fua, C.

Leptospirosis Infection in the Ancona Region (Italy), Minerva Med, 47:561-568, 1956.

Excerpta Med, XVII:3:1439, 1957.

624

Galuppi, G.M.

Late Investigations into Some Cases of *Leptospirosis* in the Bologna Province, Giorn Clin Med (Bologna), 37:9:1312-1316, 1956.

Excerpta Med, VI:11:5181, 1957.

625

Gherardi, M.
Leptospirosis in Swineherds; 25
Cases Observed in the Province of
Parma, Giorn Clin Med (Parma), 37:
5:708-726, 1956.

Excerpta Med, VI:5180, 1957.

626

Sessi, P.
Incidence of Leptospirosis of
Sheep and Goats in Tuscany, Italy,
Ann Fac Med Vet Pisa, 10:117-132,
1958.

Vet Bull, 29:5:1340, May 1959.

M. Japan

627

*Imamura, S.; Kuribayashi, K.; and
Kameta, M.
Studies on Toxins of Pathogenic
Leptospira, Japan J Microbiol, 1:1:
43-47, January 1957.

628

Inui, S.; Iwata, A.; Hirota, E.; and
Watanabe, M.
Studies on Bovine Leptospirosis
in Japan. III. Histopathological
Studies on Bovine Leptospirosis
Associated with Hemoglobinuria, Bull
Natl Inst Animal Health, 37:71-84,
1959.

Zentr Bakteriell Parasitenk Abt I
Ref, 174:13/16:352, 1960.

629

Kitaoka, M.
Minimum Requirements of Leptospira
Vaccine in Japan, Intern Assoc Micro-
biol Soc Sect Biol Standardization,
5:337-350, 1960.

Biol Abstr, 36:12:38261, June 15,
1961.

630

Kita, E.
Studies on Leptospirosis in Animals
in Japan. IV. Experiments on Abor-
tion in Guinea-Pigs Infected with
Leptospira, J Japan Assoc Infectious
Diseases, 35:3:209-216, 1961.

Excerpta Med, IV:15:3:1014, March
1961.

631

Kita, E.
Studies on Leptospirosis in Animals
in Japan. III. Long Period Observa-
tions on the Naturally Infected
Cattle Showing Haemoglobinuria, J
Japan Assoc Infectious Diseases, 35:
3:201-208, 1961.

Excerpta Med, IV:15:3:1013, March
1962.

632

Tsubosaki, H.; Aoki, T.; and Maeda, T.
Studies on the Distribution of
Leptospira. II. The Distribution of
Leptospirosis in the Chugoku District
of Japan, J Japan Assoc Infectious
Diseases, 31:6:401-405, 1957.

Excerpta Med, IV:12:5:1357, May 1959.

633

Yanagawa, R.; Hiramune, T.; and
Ishii, S.
On a Factor for Colonial Growth
of Leptospirae, Japan J Vet Sci, 21:
4:221-227, 1959.

Biol Abstr, 35:15:41863, August 1960.

634

Yanagawa, R.; Hirota, E.; and
Kawashima, H.
Studies on Bovine Leptospirosis
in Japan. II. Distribution of Anti-
bodies among Cattle and other Animals,
Bull Natl Inst Animal Health, # 31:
85-98, 1956.

Vet Bull, 27:3209, 1957.

635

Yanagawa, R.; Hirota, E.; and Kawashima, H.

Studies on Bovine Leptospirosis in Japan. III. Experiments on Abortion with Guinea Pigs Infected with *Leptospira*, Bull Natl Inst Animal Health, # 31:99-114, 1956.

Vet Bull, 27:3209, 1957.

N. Poland

636

Altava, V.

Leptospiras y leptospirosis en el hombre y en animales. Symposium celebrado en Lublin (Polona) en Diciembre de 1958, Rev San Madr, 33:134-136, 1959. (Brief review)

637

*Babudieri, B.; and Dymowska, Z.

Studies Concerning a Polish Strain of *Leptospira* Belonging to the Serologic Group "Semaranga", Zentr Bakteriol Parasitenk Abt I Orig, 182:1:129-134, 1961.

Bull Hyg, 36:9:941, September 1961.

638

Cechowicz, W.; and Hryniewicz, H.
Zoological and Ecological Studies on Small Mammals in Natural Foci of Leptospirosis in the Lubin Province, Przegląd Epidemiol, 12:1:25-28, 1958.

639

Kaniak, J.; Scheller, S.; and Jaskiewicz, K.

Leptospiren-Agglutination bei Rekonvaleszenten nach Parenchymatoeser Hepatitis, Przegląd Epidemiol, 14:61-62, 1960. (In Polish)

Zentr Bakteriol Parasitenk Abt I Ref, 181:1:42, 1961.

640

Karmanska, K.

Leptospira Strain Calles 'Tomaszow I', Med Doswiadczalna i Mikrobiol, 13:19-33, 1961. (In Polish)

Intern Abstr Biol Sci, 24:3:5513, March 1962.

641

Lipanowicz, J.; and Zwierzchowski, J.
Presence of Leptospiral Antibodies in Horses in Infectious Anaemia Regions, Weterynaria, #4:47-68, 1958. (In Polish with English summary)

Vet Bull, 29:7:2028, July 1959.

642

*Parnas, I.K.; Zazuga, K.; and Dambrowski, T.

Studies on Water Fever in Poland (1955-1957), J Microbiol Epidemiol Immunobiol, 30:3:97-105, 1959. (In English)

643

Parnas, J.

Experimental Vaccination against Leptospirosis of Human Subjects, Przegląd Epidemiol, 12:1:51-54, 1958.

644

Parnas, J.

Rural Leptospirosis in Poland, Concours Med, 81:363-364, August 1959. (In French)

645

Parnas, J.; and Dombrowski, T.

Joint Investigations on Natural Foci of Tularaemia, Leptospirosis and Some Other Anthroponoses in Poland, Arch Inst Pasteur Tunis, 34:3:351-380, September 1957.

Bull Hyg, 33:6:576, 1958.

- 646
*Parnas, J.; Lazuga, K.; Dabrowski, T.; and Kos'lak, A.
Actiology of Leptospirosis in Poland; Immunization of Man, Rev Immunol, 23:3:145-167, April-June 1959. (In French)
Bull Hyg, 35:11:1119, November 1960.
- 647
*Parnas, J.; Lazuga, K.; Dabrowski, T.; and Koslak, A.
Strains of Leptospirae Evoking Swamp Fever in South-Eastern Poland: A Four-Year Survey, J Infectious Diseases, 108:3:243-246, May-June 1961.
- 648
Parnas, T.; Dabrowski, T.; Lazuga, K.; Koslak, A.; and Paroszkiewicz, M.
Microbiological Studies on Leptospirosis in Small Mammals and Domestic Animals in the Tomaszow Lubelski County during 1956-1957, Przegląd Epidemiol, 12:1:29-34, 1958.
- 649
Polish Academy of Science.
Leptospirae and Leptospirosis in Man and Animals. Material of the International Symposium, Lublin, Poland, 5th-8th December, 1958.
Bull Hyg, 37:7:740, July 1962.
- 650
Zinkiewicz, W.
Climatic Conditions in Natural Foci of Leptospirosis in the Tomaszow Lubelski County During 1955-1957, Przegląd Epidemiol, 12:1:35-41, 1958.
- 651
Zwierz, J.
History of Leptospirosis in Poland, Acta Microbiol Polon, 7:265-281, 1958. (In Polish with English summary)
- 652
Zwierz, J.; and Zwierzchowski, J.
Control of Leptospirosis in Foxes with Serum Vaccine and Antibodies, Med Vet Varsovie, 13:321-325, 1957. (In Polish with English summary)
Vet Bull, 28:44, 1958.
- 653
Zwierzchowski, J.
Vaccines against Leptospirosis, Weterynaria Wroclaw, 2:17-34, 1956. (In Polish with English summary)
Vet Bull, 27:2624, 1957.
- 654
Zwolski, W.
Studies on Ectoparasites on Small Mammals in Natural Swamp Fever Foci, Wiad Parazyt, 6:519-527, 1960. (In Polish)
- O. Rumania
- 655
Busila, V.T.; Topciu, V.; and Pop, O.
Leptospira bovis Infection in Man in Rumania, Stud Cercet Inframicrobiol Microbiol Parazitol, 9:4:481-484, 1958. (French summary)
Bull Hyg, 36:10:1038, October 1961.
- 656
*Combiesco, D.; and Sturdza, N.
Les types de Leptospirae depistes en Roumanie, J Hyg Epidemiol Microbiol Immunol, 1:2:205-212, 1957. (In English)
- 657
Combiesco, D.; Sturdza, N.; Radu, I.; Sefer, M.; and Nicolesco, I.
Preliminary Investigations Concerning the Study of Natural Foci of Leptospirosis, Arch Roumaines Pathol Exptl Microbiol, 18:3:361-372, September 1959. (English summary)
Bull Hyg, 35:10:1006, October 1960.

658

Combiescu, D.; Sturdza, N.; Sefer, M.; and Radu, I.

Investigations on the Leptospiroses, Arch Roumaines Pathol Exptl Microbiol, 17:2:245-250, 1958.

Biol Abstr, 34:2:5047, October 1959.

659

Combiescu, D.

Leptospirosis, Studies and Researches made in the Rumanian People's Republic (Report read at National Congress of Medical Sciences May 5-11, 1957), Bucharest, Acad Republic Populare Romine, 1957. (Leptospirosis sect - abridged version in English)

Bull Hyg, 32:12:1151, 1957.

660

*Combiescu, D.; Sturdza, N.; Sefer M.; and Radu, I.

Leptospirenforschungen in Rumanien, Zentr Bakteriell Parasitenk Abt I Orig, 173:1/2:103-106, November 1958. (In German)

661

Jivoiu, P.; Nicolescu, A.; Lelutiu, C.; Sotiriu, E.; Draghici, D.; and Cheregi, T.

Studies on Leptospirosis in Horses in Roumania, Lucrarile Inst Pat Igiena Anim Bucuresti, 9:41-57, 1959. (French summary)

P. South America

662

Benedicto, M.; and Pumarola, A.

Expansion of the Vaccination Campaign against Leptospirosis in the Ricefields of the Province of Valencia. Test of Intradermal Vaccination, Rev Sanidad Hig Publica, 31:9/10:486-492, September-October 1957.

Bull Hyg, 33:9:843, September 1958.

663

Campara, L.; and Epstein, B.

New Outbreak of Bovine Leptospirosis in Buenos Aires Province of Argentina, Gac Vet (Buenos Aires), 21:198-209, 1959.

664

Campara, L.; and Epstein, B.

New Outbreak of Leptospiroses of Cattle in Buenos Aires, Bull Off Intern Epizoot, 53:402-415, 1960.

665

Cedro, V.C.F.; Cacchione, R.A.; Bulgini, M.J.; and Martinez, E.S.

Leptospirosis in Argentina, Rev Invest Ganad, # 10:317-336, 1961. (Summary in English)

Vet Bull, 32:1:59, January 1962.

666

Frederico, C.; Carmelo, V.; Cacchione, R.A.; Bulgini, M.J.; and Martinez, E.S.

Leptospirosis in Argentina. Distribution and Morbidity, Rev Invest Ganaderas, 10:317-336, 1961. (English summary)

Biol Abstr, 37:1:2332, January 1, 1962.

667

Guida, V.O.; Cintra, M.L.; Santa Rosa, C.A.; Caldas, A.D.; Correa, M.O.; and Natale, V.

Leptospirosis in Pigs in Brazil, Arch Inst Biol Sao Paulo, 26:49-54, 1959. (English summary)

668

Guida, V.O.; Santa Rosa, C.A.; D'Apice, M.; Correa, M.O.; and Natale, V.

Survey for Leptospira Antibodies in Serum from Cattle in the State of Sao Paulo, Arch Inst Biol Sao Paulo, 26:109-117, 1959. (English summary)

658

Combiesco, D.; Sturdza, N.; Sefer, M.; and Radu, I.
Investigations on the Leptospirose,
Arch Roumaines Pathol Exptl Microbiol,
17:2:245-250, 1958.

Biol Abstr, 34:2:5047, October 1959.

659

Combiescu, D.
Leptospirosis, Studies and Researches made in the Rumanian People's Republic (Report read at National Congress of Medical Sciences May 5-11, 1957), Bucharest, Acad Republic Populare Romine, 1957. (Leptospirosis sect - abridged version in English)

Bull Hyg, 32:12:1151, 1957.

660

*Combiescu, D.; Sturdza, N.; Sefer, M.; and Radu, I.
Leptospirenforschungen in Rumanien,
Zentr Bakteriell Parasitenk Abt I Orig, 173:1/2:103-106, November 1958.
(In German)

661

Jivoiu, P.; Nicolescu, A.; Lelutiu, C.; Sotiriu, E.; Draghici, D.; and Cheregi, T.
Studies on Leptospirosis in Horses in Roumania, Lucrarile Inst Pat Igiena Anim Bucuresti, 9:41-57, 1959.
(French summary)

P. South America

662

Benedicto, M.; and Pumarola, A.
Expansion of the Vaccination Campaign against Leptospirosis in the Ricefields of the Province of Valencia. Test of Intradermal Vaccination, Rev Sanidad Hig Publica, 31:9/10:486-492, September-October 1957.

Bull Hyg, 33:9:843, September 1958.

663

Campara, L.; and Epstein, B.
New Outbreak of Bovine Leptospirosis in Buenos Aires Province of Argentina, Gac Vet (Buenos Aires), 21:198-209, 1959.

664

Campara, L.; and Epstein, B.
New Outbreak of Leptospirosis of Cattle in Buenos Aires, Bull Off Intern Epizoot, 53:402-415, 1960.

665

Cedro, V.C.F.; Cacchione, R.A.; Bulgini, M.J.; and Martinez, E.S.
Leptospirosis in Argentina, Rev Invest Ganad, # 10:317-336, 1961.
(Summary in English)

Vet Bull, 32:1:59, January 1962.

666

Frederico, C.; Carmelo, V.; Cacchione, R.A.; Bulgini, M.J.; and Martinez, E.S.
Leptospirosis in Argentina. Distribution and Morbidity, Rev Invest Ganaderas, 10:317-336, 1961.
(English summary)

Biol Abstr, 37:1:2332, January 1, 1962.

667

Guida, V.O.; Cintra, M.L.; Santa Rosa, C.A.; Caldas, A.D.; Correa, M.O.; and Natale, V.
Leptospirosis in Pigs in Brazil, Arch Inst Biol Sao Paulo, 26:49-54, 1959. (English summary)

668

Guida, V.O.; Santa Rosa, C.A.; D'Apice, M.; Correa, M.O.; and Natale, V.
Survey for Leptospira Antibodies in Serum from Cattle in the State of Sao Paulo, Arch Inst Biol Sao Paulo, 26:109-117, 1959. (English summary)

669

Herrer, A.; Battistini, G.; and Liceras, J.
Presence of Leptospira bataviae in Peru, Rev Med Exptl, 11:1/2:29-33, 1958.

Excerpta Med, IV:12:7:2087, July 1959.

670

Herrer, A.; Alva, V.; and Lung, J.
Leptospirosis in Peru. IV. Serological Observations on the Pucala Farm (Department of Lambayeque), Rev Med Exptl, 13:1/2:113-118, 1959-1960. (English summary)

Biol Abstr, 37:5:19078, March 1, 1962.

671

Murtagh, R.V.
Leptospirosis in Cattle in Argentina, Gac Vet B Aires, 21:259-262, 1959.

672

Pestana de Castro, A.F.; Santa Rosa, C.A.; and Troise, C.
Cavies as Reservoirs of Leptospira in Sao Paulo. Isolation of Leptospira icterohaemorrhagiae, Biologico, 27:9:207-209, 1961. (English summary)

Biol Abstr, 37:5:19193, March 1, 1962.

673

Renella, E.; and Savino, E.
Consideraciones sobre un brote epidemico leptospirosis o virus, Dia Med (Buenos Aires), 30:3046; passim, 1958.

674

*Schaeffer, M.; Gajdusek, C.; Brown Lema, A.; and Eichenwald, H.
Epidemic Jungle Fevers Among Okinawan Colonists in Bolivian Rain Forest, Amer J Trop Med Hyg, 8:372-396, 1959.

675

Veronesi, R.
Canine Leptospiroses in Sao Paulo. Serological Survey, Rev Inst Adolfo Lutz, 16:1:78-84, 1956. (English summary)

Biol Abstr, 36:22:77024, November 15, 1961.

676

Veronesi, R.; Amato Neto, V.; and Correa, M.O.A.
Leptospiroses in Dogs in the City of Sao Paulo. Serological Investigation, Rev Inst Adolfo Lutz, 16:1:78-84, 1957.

Excerpta Med, XVII:4:1922, 1958.

677

Vilches Cardenas, F.
A Study of the Distribution of Leptospirosis among Cattle in a Herd in the Lima Valley, Vet Zootech, 13:37/38:31-32, 1961.

Biol Abstr, 38:2:6894, April 15, 1962.

Q. United States

678

*Baker, E.D.; Piraino, F.; and Ruedy, B.S.
Survey of Swine Brucellosis and Leptospirosis in Wisconsin, J Amer Vet Med Assoc, 134:440-442, 1959.

679

Boak, R.A.; Linscott, W.D.; and Bodfish, R.E.
A Case of Leptospirosis ballum in California, Calif Med, 93:3:163-165, 1960.

Excerpta Med, IV:14:5:1340, May 1961.

680

*Braun, J.L.
Survey Evidence of Leptospira Infection in Iowa Dogs, J Amer Vet Med Assoc, 138:90-93, January 15, 1961.

681

*Brown, R.Z.; and Gorman, G.W.
The Occurrence of Leptospiral
Infections in Feral Rodents in South-
western Georgia, Amer J Public
Health, 50:682-688, May 1960.

682

*Chappell, V.E.; Hanson, L.E.; and
Garrigus, U.S.
The Prevalence of Leptospiral
Antibodies in Sera from Sheep in
Illinois, Cornell Vet, 51:3:369-375,
July 1961.

Biol Abstr, 36:23:81641, December 1,
1961.

683

Clark, L.G.; Kresse, J.L.; Carbrey,
E.A.; Marshak, R.R.; and Hollister,
C.J.

Leptospirosis in Cattle and Wild-
life on a Pennsylvania Farm, J Amer
Vet Med Assoc, 139:889-891, October
15, 1961.

684

*Galton, M.M.
Epidemiology of Leptospirosis in
the United States. Public Health
Repts, 74:2:141-148, February 1959.

685

Galton, M.M.
The Epidemiology of Leptospirosis
in the United States with Special
Reference to Wild Animal Reservoirs,
Southwestern Vet, 13:37-42, 1959.
(review of literature)

686

*Galton, M.M.; Hirschberg, N.; Menges,
R.W.; Hines, M.P.; and Habermann, R.
An Investigation of Possible Wild
Animal Hosts of Leptospire in the
Area of the "Fort Bragg Fever" Out-
breaks, Amer J Public Health, 49:10:
1343-1348, October 1959.

687

*Hale, M.W.
Laboratory Report on Leptospirosis
in Georgia. J Amer Vet Med Assoc,
133:196-197, 1958.

Vet Bull, 29:44, 1959.

688

Jellison, W.L.; Stoenner, H.G.; and
Berg, G.M.
Leptospirosis among Indians in the
Dakotas, Rocky Mt Med J, 55:12:56-
58, December 1958.

689

*Jones, R.K.
A Random Serological Survey for
Evidence of Leptospira pomona In-
fection in Indiana Cattle, J Amer
Vet Med Assoc, 134:1:503-506, June
1959.

690

Leptospirosis in Arkansas, 1960, J
Arkansas Med Soc, 58:152-153, Septem-
ber 1961.

691

*McKeever, S.; Gorman, G.W.; Chapman,
J.F.; Galton, M.M.; and Powers, D.K.
Incidence of Leptospirosis in Wild
Mammals from Southwestern Georgia,
with a Report of New Hosts for Six
Serotypes of Leptospire, Amer J Trop
Med Hyg, 7:646-655, 1958.

692

Morter, R.L.
Incidence of Leptospirosis in
Iowa Swine, Iowa Vet, 31:5:28-30, 1960.

693

Muraschi, T.F.; and Harris, A.H.
Leptospirosis, Past and Present in
New York State, N Y State J Med, 61:
2750-2756, August 15, 1961.

694

Olsen, C.D.

Leptospirosis in Nebraska, Nebraska State Med J, 44:12:592-593, December 1959.

Excerpta Med, XVII:6:10:3546, October 1960.

695

*Pike, R.M.; Paton, I.M.; and Schulze, M.L.

Agglutinins for 11 Types of Leptospire in Serum from Cattle in Northeastern Texas, Amer J Vet Research, 22:90:906-911, September 1961.

696

*Reynolds, I.M.; and Smith, R.E.

Serological Survey for Leptospira Antibodies in Cattle and Deer in Massachusetts, J Amer Vet Med Assoc, 132:7:293-296, April 1, 1958.

Excerpta Med, IV:11:3470, December 1958.

697

*Roth, E.E.; Adams, W.V.; and Linder, D.

Isolation of Leptospira canicola from Skunks in Louisiana, Public Health Repts, 76:4:335-340, April 1961.

698

*Starr, L.E.; Galton, M.M.; Ammons, J.; LeMaistre, C.; and Menges, R.W.

Serologic Evidence of L. australis A. in a Georgia Patient, Public Health Repts, 74:3:271-273, March 1959.

699

*Steele, J.H.

The Epidemiology of Leptospirosis in the United States, with Special Reference to Wild Animals as Reservoirs, Bull Pan Amer. Sanit Bur, 47:299-305, October 1959.

700

*Steele, J.H.

Epidemiology of Leptospirosis in the United States and Canada, J Amer Vet Med Assoc, 136:247-252, March 1960.

R. U.S.S.R.

701

*Adamov, A.K.

The Influence of Certain Organic Compounds on the Growth of Pathogenic Leptospire, J Microbiol Epidemiol Immunobiol, 30:8:126-130, 1959. (In English)

702

Adzharov, M.; and Tsonchev, I.

A Focus of Leptospirosis canicola, Suvrem Med, (Sofia), 11:6:36-38, 1960. (In Bulgarian)

703

Aizenberg, B.S.

Clinical Aspects of Anicteric Leptospirosis, Trans Khabarovsk Med Inst, 15:130-133, 1957.

704

Aliev, A.G.

Pathogenesis of Leptospirosis in Sheep, Veterinariia, 36:4:41-42, 1959.

Vet Bull, 29:11:3402, November 1959.

705

Aliev, A.G.

Treatment of Leptospirosis With Vitamin B₁₂ and Blomycin, Proc Lenin Acad Agric Sci, 22:12:21-35, 1957.

Vet Bull, 38:2425, 1958.

706

Aliev, S. I.

Specific Prophylaxis for Leptospirosis in Animals, Karakulevodstvo i Zverovodstvo, 10:4:48-50, 1957.

707

*Anan'un, V.V.

The Serological Types of the Leptospire L. pomona and L. icterohaemorrhagiae, J Microbiol Epidemiol Immunobiol, 29:8:1220-1223, 1958. (In English)

- 708
*Anan'un, V.V.; Karaseva, E.V.;
Semenova, L.P.; and Chernukha, Iu. G.
Natural Foci of Leptospirosis in
the Altai Territory, J Microbiol
Epidemiol Immunobiol, 30:3:74-81,
March 1959. (In English)
- 709
Angelov, S.; and Kuitumdzhiev, I.
Experimental Leptospirosis in
Birds, Izvest Mikrobiol Inst (Sofia),
11:11-21, 1960. (In Bulgarian)
- 710
*Ashmarin, I.I.
Growth Factors for Leptospire.
Preliminary Communication, J Micro-
biol Epidemiol Immunobiol, 31:11:2088-
2093, 1960. (In English)
- 711
Ashmarin, I.I.
Leptospirosis in Uzbekistan, Med
Zhur Uzbekistana, 3:3-6, 1957. (In
Russian)

Abstr Soviet Med, 3 B:1:852, 1959.
- 712
Ashmarin, I.I.
The Method of Isolating Strains
of Leptospire from Water Sources,
Med Zhur Uzbekistana, 5:42-44, 1958.
- 713
Bialik, Z.M.
Data on Epidemiological and Clinical
Aspects of Swamp Fever in the
Voronezh Region, Zhur Mikrobiol
Epidemiol Immunobiol, 32:86-91, June
1961. (In Russian)
- 714
Blagodarniia, I.A.A.
Examination of Ixoidiid Ticks for
Carriers of Leptospire, Izvest
Akad Nauk Kazakhskoi SSR Ser Med
Fiziol, 2:49, 1958.
- 715
Blagodarniia, I.A.A.
Leptospirosis: an Annotated Bibliog-
raphy of the Literature Published
from 1948 to 1958, Alma-ata, Izd-vo-
Akad Kazakhskoi SSR, 1961. (251p)
- 716
Blagodarniia, I.A.A.
Steppe Turtles as Carriers of
Pathogenic Leptospire in the Muin-
Kum Desert, Vestnik Akad Nauk
Kazakhsk SSR, #3:90-92, 1958.
- 717
Blagovershchenskaia, N.M.
Material on the Epidemiology of
Anicteric Leptospirosis in the
Rostov Oblast, Avtoreferat Disskand,
Rosto-on-Don, 1958. (19p)
- 718
*Blagoveshchenskaia, N.M.; and Gonch-
arova, K.F.
The Water Route of Spread of Lep-
tospirosis, Gigiena Sanit, 24:2:12-
16, November 1959.

Abstr Soviet Med, 4 A:4:1266, 1960.
- 719
Blagoveshchenskaia, N.M.; Bliznich-
enko, A.G.; Zarubina, L.V.; and
Ivanovich, T.D.
Epidemiology of Leptospirosis in
the Rostov Oblast 'Diseases with
Natural Focal Character, Prirod-
noochagovye Zabolevaniia, p.356-361,
Moscow, 1958.
- 720
Blagoveshchenskaia, N.M.; Zarubina,
L.V.; and Morozova, N.F.
Clinical Aspects of Leptospiroses
in Man, Soviet Med, 21:3:33-37, 1957.
- 721
Borisova, L.A.
The Incidence of Water Fever in the
Zelenginsk and Nikol'sk Districts of
Astrakhan Oblast, Trudy Astrakhansk
Med Inst, 14:197-201, 1958.

722

Borodina, L.T.

Data on the Epidemiology of Anicteric Leptospirosis in the Rostov Oblast', Diseases with Natural Focal Character, p. 348-355, Moscow, 1958. (In Russian)

723

Bukhovets, V.D.

Variation Among Leptospirae, Sbornik Nauch Trudov Vinnitsk Med Inst, 13:109-118, 1958.

724

Busila, V.T.; Pop, O.; Vasilescu, I.; Topciu, V.I.; Popian, R.; Cucuruz, L.; Alexandrescu, R.; Isacson, I.; Son, C.; Cravcevsshi, V.; Zilberman, L.; Fitarau, A.; and Jicman, M.

The Clinical Aspects of Leptospirosis, Stud Cercet Inframicrobiol Microbiol Parazitol, 8:2:259-280, 1957.

725

Chernousova, A.V.

Leptospirosis sorex, Zhur Mikrobiol Epidemiol Immunobiol, 32:74-76, May 1961. (In Russian)

726

*Chernousova, A.V.; Kornilova, A.L.; and Sukhtamova, G.G.

Ictero-haemorrhagic Leptospirosis in a Remote District of the Novosibirsk Oblast, J Microbiol Epidemiol Immunobiol, 31:6:1147-1149, 1960. (In English)

727

*Chernukha, Iu.G.

Sources of Leptospiral Infection in the Konstantinovo Focus in Moscow Province, J Microbiol Epidemiol Immunobiol, 29:1:24-29, January 1958. (In English)

728

Chernukha, Iu. G.; and Kokovin, I.L. On Leptospirosis of the Saxkothing Type, Zhur Mikrobiol Epidemiol Immunobiol, 32:84-87, December 1961. (In Russian)

729

Chernykh, I.P.

Laboratory Diagnosis and Prophylaxis of Leptospirosis, Voprosy Diagnostiki i Profilaktiki Nekotorykh Infektsionnykh Zabolevanii i Sanitarnoi Mikrobiologii, Alma-Ata, 1957. (p. 30-35) (In Russian)

730

*Chung, Hui-Lan; Ch'iu, FuHsi; Wu, Hsueh-Tsung; Yeh, Hui-Fen; Hou, Tsung-Ch'ang; Chang, Nai-Cheng; Hsien, Wei-Hsun; and T'Sao, Wei-Chi. Leptospirosis: Epidemiological Studies in the Kwangtung Province, China, J Hyg Epidemiol Microbiol Immunol, 4:3:347-362, 1960. (In English)

731

Corneleac, V.; Georgescu, C.; Solomon, B.; Teja, D.; Fillimon, F.; and Vornicel, L.

Pulmonary Symptoms in Human Leptospirosis Type 396, Viata Med, 3:6:72-75, 1956.

Excerpta Med, VI:12:7:3752, July 1958.

732

Crivetz, D.; and Duma, G.

Syndrome of Nocturnal Muscular Cramp in the Period of Remission of Leptospirosis, Viata Med, 3:7:87-88, 1956.

Excerpta Med, VI:12:7:3756, July 1958.

733

Cvetkovic, L.; Stojkov, A.; and Zivkovic, V.

Leptospirosis in Calves, Vet Glasn, 14:281-285, 1960. (In Croat.)

734

Degtyarev, V.I.

Leptospirosis in Pigs in the Rostov Area, Veterinariia, # 12:29-34, 1960. (In Russian)

Vet Bull, 31:5:1383, May 1961.

735

*Dereteva, I.I.

The Action of Plague Antiserum on Pasteurella pestis in vitro and in Animals. V. The Influence of Plague Antiserum on Changes in the Reactivity of the Body to Plague Antigen, J Microbiol Epidemiol Immunobiol, 31: 3:499-502, 1960. (In English)

736

Desoille, H.; Mollaret, P.; and Kolochine-Erber

Compensation for Leptospirosis of Occupational Origin, Arch Malad Professionelles, 20:2:149-151, March-April 1959.

Bull Hyg, 34:7:635, July 1959.

737

Dezhurova, A.V.

Leptospirosis in the Belorussian SSR, Prirodnookhagovye Zabolevaniia, Moscow, 1958. (p. 330-335) (In Russian)

738

Dezhurova, A.V.; and Filippovich, A. N.

Leptospirosis of the Batavia Type in White Russia, Zdravookhran Belorussii, # 5:32-33, 1958.

739

Dezhurova, A.V.; Gikherman, P.I.; Krasil'nikov, A.P.; and Kulaga, I.T.

Leptospirosis in the Brest Oblast, Sbornik Nauch Trudy Belorussk Inst Epidemiol Mikrobiol Gigiena, p. 269-275, 1957.

740

Dezhurova, A.V.; and Votjakov, V.I.

Isolation of Leptospira hebdomadis from House Mice, Sbornik Nauch Trudy Belorussk Inst Epidemiol Gigiena, p. 263-268, 1957.

741

Dozsa, I.; Kemenes, F.; and Szent-Ivanyi, T.

Susceptibility of the Red Blood Cells of Ruminants with a Four-chambered Stomach (Pecora) to the Haemotoxin of Pathogenic Leptospire, Acta Vet Acad Sci Hung, 10:35-44, 1960.

742

Draghici, O.; and Dinca, Gh.

Epidemiological Observations on Benign Leptospirosis in the Beius District, Microbiol Parazitol Epidemiol, 2:3:227-234, 1957.

Excerpta Med, IV:12:1:183, January 1959.

743

Dymowska, Z.; Kozłowska, D.; and Kicinska, H.

The Level of Leptospiral Antibodies in Slaughterhouse Workers, Przeglad Epidemiol, 11:1:91-95, 1957.

Bull Hyg, 32:752, 1957.

744

*Eskin, V.A.; Kraminskaia, N.N.; Berkut, I.B.; Irlin, S.P.; and Izotov, P.V.

Epidemiological and Clinical Features of Ussurian Leptospirosis, J Microbiol Epidemiol Immunobiol, 29: 8:1233-1240, 1958. (In English)

745

Fuži, M.; and Kiszal, J.

Investigations on Leptospirosis in the Province of Tapio, Nepegeszsegugy, 42:6:184-188;192, June 1961. (German summary)

Bull Hyg, 36:12:1270, December 1961.

746

Gazhiev, V.V.

Comparative Characteristics of Experimental Animals as Laboratory Models for the Reproduction of Anicteric Leptospirosis, Trudy Molodykh Uchenykh Kievsk Med Inst, p. 161-165, 1958.

- 747
*Gibet, L.A.; and Nikiforov, L.P.
Natural Foci of Anicteric Leptospirosis in Western Siberia, J Microbiol Epidemiol Immunobiol, 30: 3:81-85, March 1959. (In English)
- 748
Glovatskaia, M.G.
Studies on a Complex Active Immunization against Tetanus and Leptospirosis in Experimental Conditions. II. Studies on the Effectiveness of the Associated Immunization by Means of Investigations on Animal's Resistance to Infections, Zhur Mikrobiol Epidemiol Immunobiol, 32:48-52, September 1961. (In Russian)
- 749
*Glovatskaia, M.G.
A Study of Combined Active Immunization Against Experimental Tetanus and Leptospirosis. I. A Study of the Efficacy of Combined Immunization by Investigating the Course of Antibody Formation, J Microbiol Epidemiol Immunobiol, 32:2:320-325, 1961. (In English)
- 750
Gorshanova, E.N.
Clinical Aspects of Water Fever, Klin Med (USSR) 36:6:94-98, 1958.
- 751
Gorshanova, E.N.
Epidemiological Significance of Agricultural Animals in Spreading Leptospirosis, Zhur Mikrobiol Epidemiol Immunobiol, 32:107-112, October 1961. (In Russian)
- 752
Gorshanova, E.N.
Transmission of Leptospirosis in Experimental Leptospirosis of Siberian Marmots, Zhur Mikrobiol Epidemiol Immunobiol, # 8:67-69, 1955.
Biol Abstr, 32:5723, 1958.
- 753
Gorshanova, Ye N.
Anicteric Leptospirosis in Dagestane, Prirodnookhagovye Zabolevaniia, p. 341-347, 1958. (In Russian)
- 754
Gorshanova, Ye N.
Characteristic of an Epidemic Focus of Water Fever, Uchenye Zapiski Dagestanskogo Nauchno-Issled Inst Proizvodstvu Pitatel'nykh Sred, 3:199-208, 1957.
- 755
Gorshanova, Ye N.
Epidemic Outbreaks of Water Fever in the Low-Land Zone, Uchenye Zapiski Dagestanskogo Nauchno-Issled Inst Proizvodstvu Pitatel'nykh Sred, 3: 209-214, 1957.
- 756
Gorshanova, Ye N.
On Leptospirosis Among Animals in Dagestane, Uchenye Zapiski Dagestanskogo Nauchno-Issled Inst Proizvodstvu Pitatel'nykh Sred, 3:244-259, 1957.
- 757
Gorshanova, Ye N.
On the Clinical Course of Water Fever, Uchenye Zapiski Dagestanskogo Nauchno-Issled Inst Proizvodstvu Pitatel'nykh Sred, 3:228-241, 1957.
- 758
Gorshanova, Ye N.
The Zone of Inhibition in Serological Investigations on Leptospirosis, Uchenye Zapiski Dagestanskogo Nauchno-Issled Inst Proizvodstvu Pitatel'nykh Sred, 3:242-243, 1957.
- 759
Gorshanova, Ye N.
A Winter Outbreak of Leptospirosis, Uchenye Zapiski Dagestanskogo Nauchno-Issled Inst Proizvodstvu Pitatel'nykh Sred, 3:225-227, 1957.

760

Grigor'ev, I.I.
Susceptibility to Leptospirosis of
Rats Exposed to X-rays, Vrachebnoe
Delo, 3:267-270, 1957. (In Russian)
Excerpta Med, IV:12:3:978, March 1959.

761

Grigor'ev, I.I.
Susceptibility to Pathogenic Lepto-
spires of Animals Exposed to Radiation,
Med Radiol, 3:4:46-50, 1958. (In
Russian with English summary)

762

Guzacheva, V.Ya.
Epidemiology of Water Fever in
Stravropol District, Sbornik Nauch
Trudov Stavropol'sk Nauchno-Issled
Inst Vaktzin Syvorotok, 5:231-238,
1958.

763

Guzacheva, V.Ya.
An Outbreak of Water Fever in North
Ossetia, Sbornik Nauch Trudov Stavro-
pol'sk Nauchno-Issled Inst Vaktzin
Syvorotok, 5:239-241, 1958.

764

*Guzacheva, V.Ya.
Routes of Transmission and Their
Influence Upon the Epidemiology of
Water Fever in the Stavropol' Region,
J Microbiol Epidemiol Immunobiol, 31:
9:1619-1624, 1960. (In English)

765

*Ivanovich, T.D.; Bliznichenko,
A.G.; Zarubina, L.V.; Matibovskii,
S.A.; Berkovich, A.I.; and Dushevin,
I.P.
Leptospirosis of the Canicola
Type in One of the Districts of
Rostov-on-the-Don, J Microbiol Epi-
demiol Immunobiol, 28:2:259-264,
1957.

766

Iarovi, L.V.
Age Differences in the Clinical and
Epidemiological Features of Water
Fever, Pediatrics, #4:71-73, 1958.
(In Russian with English summary)

767

Karaseva, E.V.; German, A.L.; and
Korenberg, E.I.
Feeding Habits of the Hen Harrier
and its Influence on the Populations
of the Field Vole Microtus oeconomus
during an Epizooty of Nonicterogenic
Leptospirosis, Biul MOIP Otd Biol, 62:
1:11-18, 1957. (English summary)

768

Karaseva, E.V.; Narskaia, Ye V.; and
Osherova, D.S.
Development of Methods of Fight
Against the Harvest Vole in Foci of
Leptospirosis, Diseases with Natural
Focal Character, p. 393-404, 1958.

769

Karaseva, E.V.; Petelina, L.P.; and
German, A.L.
Studying Natural Foci of Lepto-
spirosis in Akmolinsk Province, Biul
MOIP Otd Biol, 61:6:123, 1956.

770

Karimova, Z.Kh.
Biological Characteristics of Lep-
tospores Isolated in the Tatar Autono-
mous SSR, Tezisy Dokladov Nauchnoi
Konferentsii Kazansk Med Inst, Kazan,
1957. (p. 22-23) (In Russian)

771

Khankin, N.I.
Kidney Function in Hemorrhagic
Nephrosonephritis and Anicteric Lepto-
spirosis, Terap Arkh, 31:11:73-75,
November 1959. (In Russian with
English summary)

- 772
*Kiktenko, V.S.; Anan'in, V.V.; and Kashanova, N.I.
The Identity of the DV-B Species of *Leptospira* with *L. pomona*, J Microbiol Epidemiol Immunobiol, 29: 8:1224-1227, 1958.
- 773
Kinkiewicz, W.; and Sieroslowski, H.
Macro-and microclimatic Conditions in the Tomaszow County of the Lublin District During the Endemic of Swamp Fever, Ann Univ Mariae Curie-Sklodowska Sect D-Med, 13:40:449-469, 1958.
Biol Abstr, 35:19:53708, October 1960.
- 774
*Klepko, G.D.
The Influence of Certain Growth Factors Upon the Cultivation of *Leptospira*, J Microbiol Epidemiol Immunobiol, 32:3:488-492, 1961. (In English)
- 775
Klipper, A.; Stefanescu, C.; and Gherman, N.
The Meningeal Syndrome During Leptospirosis, Viata Med, 4:4:46-53, 1957.
Excerpta Med, VI:12:7:3755, July 1958.
- 776
Kmety, E.; Chylo, E.; and Plesko, I.
A Case of Mud Fever Transferred from a Muskrat, Bratislav Lekarske Listy, 37:8:473-474, 1957.
Excerpta Med, VI:12:3768, July 1958.
- 777
*Kmety, E.
Contribution to the Antigenic Structure of *Leptospira* Serotypes Forming the australis Serogroup, J Hyg Epidemiol Microbiol Immunol, 4: 2:171-174, 1960. (In English)
Biol Abstr, 36:11:34685, June 1, 1961.
- 778
Kollar, K.; and Celkova, S.
A Typical Case of *Leptospirosis pomona* with Pancreatic Shock Syndrome, Bratislav Lekarske Listy, 41:493-496, 1961.
- 779
Kolychev, V.V.; and Kononov, G.N.
Leptospirosis in Calves in the Komi Region, Veterinariia, #8:81-83, 1960. (In Russian)
- 780
Koval'skii, G.N.
Efficacy of Immunization of Human Subjects against *Leptospirosis* in Krasnodar District, Vopros Mikrobiol Epidemiol Kliniki Infekts Zabol, p. 119-127, 1958.
- 781
Kozicka, A.; and Parnas, J.
Microscopic and Histopathological Studies of Organs From Small Rodents in the Investigation of *Leptospirosis*, Przeglad Epidemiol, 12:1:5-7, 1958.
- 782
Kozicka, A.; and Parnas, J.
The Results of Histopathological Examination of the Internal Organs of Small Mammals for *Leptospirosis*, Ann Univ Mariae Curie-Sklodowska Sect D-Med, 13:39:439-448, 1958.
Biol Abstr, 35:19:53713, October 1960.
- 783
*Kraminskaia, N.N.
The Results of a Study of Some Far-Eastern Strains of Pathogenic *Leptospira* of New Serological Types, J Microbiol Epidemiol Immunobiol, 30:3: 66-71, March 1959.

784

Krasilnikov, A.P.

A Case of Isolation of Leptospira grippotyphosa from the Kidney of the House Mouse, Zdravookhr Belor, 10: 70-71, 1957.

Abstr Sov Med, 3 A:1:201, 1959.

785

*Krasilnikov, A.P.

Natural Reservoirs of Infection of Leptospirosis in the Belorussian S. S.R., J Microbiol Epidemiol Immunobiol, 28:1:50-54, 1957.

Bull Hyg, 32:11:1049, 1957.

786

Krasil'nikov, A.P.

The Problem of Independent Existence of Foci of Leptospirosis Among Insectivorous Animals, Sbornik Nauch Trudy Belorussk Inst Epidemiol Mikrobiol Gigiena, p. 276-285, 1957.

787

Krasil'nikov, A.P.

The Role of Farm Animals in the Infection of Man with Leptospirosis, Zdravookhran Belorussii, 8:59-61, 1956.

Excerpta Med, XVII:3:3327, 1957.

788

*Krasil'nikov, A.P.; and Gritskevich, A.V.

Anthropurgic Foci of Leptospirosis in Belorussia. I. Infection of Domestic Mice with Leptospira hebdomadis, J Microbiol Epidemiol Immunobiol, 31: 6:1150-1155, 1960. (In English)

789

Krepkogorskaia, T.A.

A Case of Leptospirosis of L. canicola Type in the Kazakh SSR, Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:29, 1958.

790

Krepkogorskaia, T.A.

Cattle as a Source of Leptospira icterohaemorrhagiae, Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:31, 1958.

791

Krepkogorskaia, T.A.

The Common Vole (Microtus arvalis) as a Source of Leptospira kazakhstanica I., Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:33, 1958.

792

Krepkogorskaia, T.A.

Isolation of a Strain of Pathogenic Leptospire from Water in a District where Leptospirosis is Endemic, Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:35, 1958.

793

Krepkogorskaia, T.A.

Summary of the Work on Studies of the Natural Foci Character of Leptospirosis in the Kazakh SSR, Diseases with Natural Focal Character, p. 336-340, 1958. (In Russian)

794

Krepkogorskaia, T.A.; and Shapiro, D.M.

Examination of the Muskrat as a Carrier of Leptospire in the South of Kazakhstan, Izvest Akad Nauk SSR Ser Med Fiziol, 2:39, 1958.

795

Kruglikov, V.M.; Shal'neva, A.M.; and Guzacheva, V.Y.

Studies of Natural Foci of Leptospirosis on Some Districts of Stavropol Province (communication #2), Sbornik Nauch Trudov Stavropol'sk Nauchno-Issled Inst Vakstin Syvoro-tok, 5:225-229, 1958.

- 796
*Kruglikov, V.M.; Shal'neva, A.M.;
Guzacheva, V.Y.; Zaitsev, A.A.;
Leshenko, V.D.; and Popova, Y.E.
A Study of the Natural Focal
Occurrence of Leptospiruses in Some
Districts of Stavropol Krai, J
Microbiol Epidemiol Immunobiol, 29:
8:1230-1233, 1958.
- 797
Kruglova, V.M.
Role of Fresh-Water Animals in
the Epidemiology of Leptospirosis,
Zool Zhur, 39:5:661-665, May 1960.
(In Russian with English summary)
- 798
Kujumgiev, I.
Leptospira Serotypes in Bulgaria,
Zeit Ges Hyg, 6:2:106-110, 1960.

Excerpta Med, XVII:6:12:3973,
December 1960.
- 799
Kusov, V.N.; and Rementsova, M.M.
Natural Infection of Ticks,
Dermacentor marginatus, by Brucella
and Leptospira, Trudy Inst Zool Akad
Nauk Kazakh SSR, 7:92-94, 1957.

Biol Abstr, 35:50908, September 1960.
- 800
Lavrina, M. Ia.; and
Shirvinskaya, A.I.
Natural Foci of Water Fever in the
Shakhovsk District of Moscow Oblast,
Trudy Moskov Nachno-Issled Inst
Vakisin Syorotok, 11:259-279, 1958.
- 801
*Lavrova, M. Ia.
A Natural Focus of Swamp Fever in
Condition of Agriculturally Developed
Land in the Central Zone, J Microbiol
Epidemiol Immunobiol, 30:3:85-92,
1959.
- 802
Leptospirosis in Slovenia, Zdravook
Vestnik, 26:11:483-489, 1957.

Excerpta Med, IV:12:574, 1959.
- 803
Leshikov, A.L.
Clinical and Epidemiological Fea-
tures of Leptospirosis, Vrachebnoe
Delo, 9:977-978, 1959.
- 804
*Leshikov, A.L.; and Ivanova, M.G.
Occupational Contact Infection with
Anicteric Leptospirosis in Meat-
Factory Workers, J Microbiol Epidem-
iol Immunobiol, 29:2:312-313, Feb-
ruary 1958. (In English)
- 805
Liapsutin, A.K.
Clinical Aspects of Leptospirosis
in Different Animals, Trudy Moskov
Vet Akad, 12:62-72, 1956.
- 806
*Lindtrop, G.T.; and Khorava, G.V.
Canine Leptospirosis in Man, Klin
Med (USSR), 37:2:132-134, 1959.

Excerpta Med, IV:13:3:956, March
1960.
- 807
Liubashenko, S. Ia.
Problems in the Diagnosis of Lepto-
spiro-sis in Animals, Veterinariia,
34:8:16-19, 1957.
- 808
Majoros, I.; and Szabo, J.
Screening of Dogs for Leptospiro-
sis in Debrecen, Mag Allator Lapja,
16:406-408, 1961.

Vet Bull, 32:7:2199, July 1962.

809

*Malyk, F.S.

The Pathogenicity of Leptospira muris for Young Rabbits and Guinea-pigs, J Microbiol Epidemiol Immunobiol, 31:5:930-931, 1960. (Annotation - In English)

810

*Malykh, F.S.

Some Data on Natural Infection with Leptospirosis in White Mice, J Microbiol Epidemiol Immunobiol, 31:2:282-285, 1960.

811

Malyshev, V.A.; and Nazarova, Z. Ia.

Some data on Anicteric Leptospirosis in the Cheliabinsk Region, Zhur Mikrobiol Epidemiol Immunobiol, 33:4:62-64, April 1962. (In Russian)

812

Markov, G.P.

Leptospirosis in Farm Animals in Krasnodarskiy Kray, Trudy Kubansk Sel'skokh Inst, 3:188-195, 1957.

Biol Abstr, 35:11:29890, June 1960.

813

*Markov, G.P.; and Rynkina, L.G.

Cattle as a Source of Ictero-haemorrhagic Leptospires, J Microbiol Epidemiol Immunobiol, 28:3:393-396, 1957. (In English)

814

Matveev, D.; and Ivanov, N.

Distribution of Leptospiroses in Bulgaria, Sbornik Trudy Nauchno-Issled Inst Epidemiol Mikrobiol, 3:3-15, 1956.

Abstr Soviet Med, 2 A:2:410, 1958.

815

*Medinskii, G.M.

Microfocal Nature of Leptospirosis in Estonia, J Microbiol Epidemiol Immunobiol, 30:3:92-97, 1959. (In English)

816

*Mikhailovskii, B.N.

A Contribution to the Question of Epidemiology of Anicteric Leptospirosis (Water Fever), J Microbiol Epidemiol Immunobiol, 29:9:1444-1447, 1958. (In English)

817

*Mikhailovskii, B.N.

Therapeutic Use of Penicillin in Anicteric Leptospirosis, Vrachebnoe Delo, 4:429-431, 1957. (In Russian)
Misc Trans: #207 (2 pp)

818

Minkerich, I.A.

Clinical-Epidemiological Characteristics of Human Leptospiroses in the Tomsk Oblast', Diseases with Natural Focal Character, p. 376-382, 1958. (In Russian)

819

Mitov, A.; Iankov, N.; and Ivanov, I.

Recent Data on the Problem of Leptospirosis in Bulgaria, Zhur Mikrobiol Epidemiol Immunobiol, 32:65-67, October 1961. (In Russian)

820

*Mitrofanova-Perfil'eva, E.B.

The Significance of Food Products in the Epidemiology of the Leptospiroses, J Microbiol Epidemiol Immunobiol, 28:9:1272-1276, 1957. (In English)

821

Morozova, V.P.

Vaccinal Anti-leptospirosis Immunity in Irradiated Marmots, Med Radiol, 6:67-69, October 1961. (In Russian)

822

Murav'ev, N.V.

Effect of Penicillin on the Course of Leptospiral Infection of Type II and the Formation of Specific Antibodies, Sovet Med, 21:3:37-41, 1957.

- 823
*Murav'ev, N.V.
Problem of Differential Diagnosis of Malaria from Leptospirosis, Zhur Mikrobiol Epidemiol Immunobiol, 27: 8:97-101, 1956. (In Russian)
- 824
*Muromtsev, S.N.
Gamaleya Institute of Epidemiology and Microbiology: Survey of Present Research and Plans for the Elimination of Infectious Diseases, J Microbiol Epidemiol Immunobiol, 31:12:2196-2202, 1960. (In English)
- 825
Musaev, M.A.
Environmental Factors Influencing the Incidence of Bovine Leptospirosis, Veterinariia, 37:1:22-25, 1960. (In Russian)
- 826
Musaev, M.A.
Leptospirosis of Cattle, Gosudarstvennoe Izdatel'stvo Sel'skokhoz Literatury, Moscow, 1959. (379 pp) (In Russian)
Vet Bull, 30:8:2485, August 1960.
- 827
Musaev, M.A.
Problems of Immunity to Leptospirosis in Animals, Izvest Akad Nauk Azarbaidzhan S.S.R., 2:55-62, 1959. (In Russian)
Vet Bull, 31:5:1387, May 1961.
- 828
Nasibulina, F.K.
Examination of Sheep for Leptospirosis in the Bet-Pak Dala Game Area, Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:54, 1958.
- 829
Nasibulina, F.K.; and Blagodarnyi, Ya A.
Isolation of Pathogenic Leptospirae from the Lesser Crake (Porzana parva scop), Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:58, 1958.
- 830
Novikova, V.N.
Materials on the Epidemiology of Leptospiroses in the Tomsk Oblast', Diseases with Natural Focal Character, pp. 371-375, 1958. (In Russian)
- 831
*Novikova, V.N.; Sagaidak, L.P.; and Igolkin, N.I.
Leptospirosis in the Tomsk Oblast, J Microbiol Epidemiol Immunobiol, 30:11:72-75, 1959. (In English)
- 832
Novokreshchenov, B.V.; Segal, L.S.; Meshchenko, V.M.; and Navotnaia, Z. Ye.
Data on the Epidemiological Characteristics of Anicteric Leptospirosis in the Transcarpathian Oblast', Diseases with Natural Focal Character, pp. 362-370, 1958. (In Russian)
- 833
Oker-Blom, N.; Penttinen, K.; Salminen, A.; Pohjanpelto, P.; Halonen, P.; Haapanen, L.; and Klemola, E.
Etiology of Serious Meningitis in Finland. Virological and Leptospiral Studies on 134 Patients at the Aurora Hospital in Helsinki 1952-1955, Nord Med, 57:17:621-624, April 25, 1957.
Bull Hyg, 32:8:729, August 1957.
- 834
Pavlovskogo, E.N.
Naturally Epidemic Human Diseases, Medgiz, Moscow, 1960. (326 pp) (In Russian)
Biol Abstr, 36:15:49597, August 1, 1961.

835

*Petrov, R.V.

The Course of Experimental Leptospirosis in Irradiated Animals, J Microbiol Epidemiol Immunobiol, 28: 5:103-107, 1957. (In English)

836

Petrov, R.V.; and Shikhodyrov, V.V.

Morphological Changes in Experimental Leptospirosis in Irradiated Guinea-pigs, Med Radiol, 4:5:20, 1959. (English summary)

837

Plesko, I.; Bakoss, P.; Kmety, E.; and Vochohd, J.

Hedgehogs as Carriers of Leptospira in Slovakia, Ceskoslov Epidemiol Mikrobiol Immunol, 9:12-15, 1960. (English summary)

838

Pogosyan, L.S.

Immunobiological Properties of Anti-Leptospirosis Citrated Blood, Trudy Arman Nauchno-Issled Vet Inst, 8:17-24, 1955.

Vet Bull, 27:2625, 1957.

839

*Poliakova, I.L.; Samsonova, A.P.; and Chunikhin, V.P.

Epidemiological Analysis of an Outbreak of Water Fever (Stalingrad Oblast Public Health & Epidemiological Station), J Microbiol Epidemiol Immunobiol, 31:5:924, 1960.

840

Poliakova, I.L.; Samsonova, A.P.; and Chunikhin, V.P.

An Outbreak of Anticteric Leptospirosis in One of the Districts in the Stalingrad Oblast, Proc 3rd Scientific Conference of the Stalingrad Institute for Research in Epidemiology, Microbiology & Hygiene, 92- Stalingrad, 1957.

841

*Popova, E.M.

Occupational Leptospirosis in Leningrad, J Microbiol Epidemiol Immunobiol, 31:12:2216-2223, 1960. (In English)

Bull Hyg, 37:7:741, July 1962.

842

Pupkevich-Diamant, Ia S.

Clinical Picture and Differential Diagnosis of Q Rickettsiosis (Q Rickettsiosis and Leptospirosis), Klin Med (USSR), 36:5:77-88, May 1958.

843

Pupkevich-Diamant, Ia S.

On Lesions of the Cardiovascular System in Leptospirosis, Klin Med (USSR), 43:84-90, January 1962. (In Russian)

844

*Results of the International Symposium on Leptospiroses, (5-8 October, Lublin, Poland, 1959), J Microbiol Epidemiol Immunobiol, 30:9:190-193, 1960. (In English)

845

Rozanova, G.N.

A Case of Water Fever by Leptospira sorex, Trudy Smolensk Med Inst, 7:488-489, 1957.

846

Rozanova, G.N.

Sporadic Cases of Anicteric Leptospirosis, Trudy Smolensk Med Inst, 7:485-487, 1957.

847

Rybkina, L.G.

The Biological Properties of Leptospire Isolates in the Krasnodar'krai, Nauch Trudy Kubansk Med Inst, 15:28: 218-225, 1957.

- 848
*Safarov, K.M.
The Influence of Environmental Factors Upon the Spread and Genesis of Leptospirosis, Veterinariia, 8:33-36, 1955.

Misc Trans 246 5 p.
- 849
Safarov, K.M.
Treatment of Leptospirosis in Sheep, Veterinariia, 34:6:30-33, 1957. (In Russian)

Vet Bull, 28:374, 1958.
- 850
*Sakanian, S.Sh.
The Role of the Functional State of the Cerebral Cortex in the Development of Post-Vaccinal Immunity to Swine Fever, J Microbiol Epidemiol Immunobiol, 31:10:1900-1901, 1960. (In English)
- 851
*Sakharov, J.; and Prenza, B.
Polyneuritis in Leptospirosis without Icterus, Zhur Nevropatol Psikhiatrii, 57:3:382-384, 1957.

Excerpta Med, VI:12:7:3758, July 1958.
- 852
Salminen, A.
Studies on the Occurrence of Various Leptospiral Types in Finland, Ann Med Exptl Fenn, 34(suppl):5:77, 1956.

Vet Bull, 27:3526, 1957.
- 853
Samedov, A.S.
Studies on the Biochemical Properties of Leptospirae (preliminary communication), Izvest Akad Nauk Azerbaidzhan SSR, 4:85-92, 1958.
- 854
Samedov, A.S.; and Entin, IaS.
Materials on Nonicteric Leptospirosis in Southern Azerbaijan, Voenomed Zhur, 6:35-37, June 1960. (In Russian)
- 855
Sapronov, Yu G.
On the Method of Leptospira Cultivation, Trans Krymsk Med Inst, #17: 132-134, 1957. (In Russian)

Biol Abstr, 35:14:38579, July 1960.
- 856
*Shaferstein, D.L.; and Aizenshtadt, D.S.
A Study of Infection of Brown Rats with Leptospirosis in the South-West Ukraine, J Microbiol Epidemiol Immunobiol, 30:11:132-133, November 1959. (In English)
- 857
Shapiro, D.M.
Examination of the Gerbil for Carriers of Leptospirae, Izvest Akad Nauk Kazakhskoi SSR Ser Fiziol, 2: 41; 43; 1958.
- 858
Shapiro, D.M.
Leptospiral Diseases among Human Beings and Farm Animals in Taldy-Kurgan Oblast, Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2: 44, 1958.
- 859
Shapiro, D.M.; and Nasibulina, F.K.
Examination of Cattle for Leptospirosis in the Ulan-Bel' Grazing Grounds, Izvest Akad Nauk Kazakhskoi SSR Ser Med Fiziol, 2:47, 1958.
- 860
Shchit, O.R.; and Khotimskaia, B.Z.
A Case of Water Fever in the Levoberszhnyi Ukraine Caused by Type DV-A Leptospirae, Trudy Khar'kovskoi Nauchno-Issled Inst Vaktzin Syvorotok, 24:229-233, 1957.

- 861 Sherishorina, S.I.; Ponomareva, O.I.; and Friedman, S.L.
Isolation of *Leptospira* on Solid Media, Lab Delo, 3:46-47, 1958. (In Russian)
- 862 Shirvinskaia, A.I.
Seasonal Periodicity of Anicteric Leptospirosis (water fever), Trudy Moskovsk Nauchno-Issled Inst Vaktsin Syvorotok, 11:255-258, 1958.
- 863 *Shirvinskaia, A.I.
Study of Type-Specific Immunity in Experimental Leptospirosis, J Microbiol Epidemiol Immunobiol, 30:10:39-43, October 1959.
- 864 Shirvinskaia, A.I.; Persova, K.S.; and Prezent, I.I.
Observations on the Efficacy of a Leptospirosis Vaccine in an Anthropogenic Focus of Leptospirosis, Voprosy Mikrobiol Epidemiol Kliniki Infekts Zabol, p. 129-136, 1958. (In Russian)
- 865 Shirvinskaia, A.I.; Prezent, I.I.; and Persova, K.S.;
The Use of Specific Prophylaxis in a Focus of Infection of Secondary Leptospirosis, Trudy Moskovsk Nauchno-Issled Inst Vaktsin Syvorotok, 11: 279-281, 1958. (In Russian)
- 866 Shutyaev, N.A.
Survival of Leptospirae in Water, Sbornik Nauch Trudov Uzbek Inst Vet, 13:169-172, 1959. (In Russian)
- 867 Sichinava, G.N.
A Case of Anicteric Leptospirosis in the Abkhazian Autonomous SSR, Sbornik Trudy Med Obshchei Abkhazii, 1:135-148, 1957.
- 868 Slyscho, V.N.
The Clinical Classification of Leptospirosis, Proc Rev Conf Rostov Med Inst, (1956), p. 581-585, 1957.
- 869 *Soloshenko, I.Z.
The Part Played by Blood-sucking Arthropoda in the Transmission and Harboring of Pathogenic Leptospirae. I. The Part Played by Blood-sucking Arthropoda in the Transmission and Harboring of the Organism of Weil's Disease, J Microbiol Epidemiol Immunobiol, 29:1:19-23, January 1958. (In English)
- 870 *Soloshenko, I.Z.
The Part Played by Fresh-water Animals in the Epidemiology of Leptospirosis, J Microbiol Epidemiol Immunobiol, 28:6:58-61, June 1957.
- 871 *Soloshenko, I.Z.; and Khorava, G.V.
Leptospira Carriers among Dogs in the Littoral Zone of the Abkhazian A.S.S.R., J Microbiol Epidemiol Immunobiol, 31:7:1365-1367, 1960. (In English)
- 872 *Soloshenko, I.Z.; and Khorava, G.V.
The Role of Cattle in the Epidemiology of Icterohaemorrhagic Leptospirosis, J Microbiol Epidemiol Immunobiol, 32:2:286-288, 1961. (In English)
- 873 Sorina, S.E.
Leptospirosis in Nutria in Transcaucasia, Trudy VNIIZHP, 17:134-135, 1958.
- 874 Stanislavskii, E.S.
The Agglutinin-Absorption Test in Leptospirosis, Lab Delo, 4:12-14, 1958.

875

*Stanislavskii, E.S.

Atypical Forms of *Leptospira*, J Microbiol Epidemiol Immunobiol, 31: 5:908-909, 1960. (In English)

Biol Abstr, 36:11:34583, June 1, 1961.

876

*Stanislavskii, E.S.

A Study of the Morphology of *Leptospire*s by Means of the Electron Microscope, J Microbiol Epidemiol Immunobiol, 29:1:16-19, January 1958. (In English)

877

Sturdza, N.; Elian, M.; and Tulpan, G.

Diagnosis of Human *Leptospirosis* by the Complement Fixation Test with a Single Antigen. Note I., Arch Roumaines Pathol Exptl Microbiol, 19: 4:571-582, December 1960.

Bull Hyg, 36:12:1309, December 1961.

878

*Sveshnikova, N.P.

Features of Natural Foci of Type I *Leptospirosis* (*Grippotyphosa*) in the Moscow Oblast in the Basin of the Dubna River and of Mixed Type I and II *Leptospirosis* (*Moniakov*) in the Basin of the River Pekhorka, J Microbiol Epidemiol Immunobiol, 29:2: 314-315, February 1958. (In English)

879

Sveshnikova, N.P.; Kokovin, I.L.; and Terskikh, V.I.

Foci of *Leptospirosis* in Filtration Fields near Moscow, Zhur Mikrobiol Epidemiol Immunobiol, 32:78-83, December 1961. (In Russian)

880

Tartaglia, P.

Leptospirosis in Dalmatia, Lijecnicki Vjesnik, 81:1-2:16-20, January-February 1959.

881

*Terskikh, V.I.

A Study of the BSh Strain of Free-living *Leptospire* from a Swamp in the Moscow Oblast' and the Pathogenic Semarang Strain Isolated from a Rat in Indonesia, J Microbiol Epidemiol Immunobiol, 31:9:1633-1638, 1960. (In English)

882

*Terskikh, V.I.; Chernukha, Yu. G.; Kokovin, I.L.; Kuz'mina, R.M.; Prudnikova, M.N.; Sorina, A.M.; and Zanegina, P.T.

The Regional Epidemiology of *Leptospirosis* in the Smolensk Oblast' J Microbiol Epidemiol Immunobiol, 31: 7:1343-1349, 1960.

883

Tokarevich, K.N.; Popova, Ye M.; and Amosenkova, A.I.

Some Summaries of Studies on Water Fever in the North Western Region, Diseases with Natural Focal Character, p. 322-329, 1958.

884

Trop, I.E.

Information of the Aetiological and Epidemiological Characteristics of *Leptospirosis* in Eastern Siberia and the Main Problems in Their Prophylaxis, Trudy Omsk Nauchno-Issled Inst Epidemiol Mikrobiol, #4: 109-130, 1957.

885

Tuszkiewicz, R.; Wysocka, F.; and Szewczykowski, W.

Epidemiology and Symptomatology of Grippotyphoid *Leptospirosis* in the Lublin Region; Results of the Observation of 406 Cases During the Years 1955-1957, Presse Med, 67:30:1236-1237, June 1959.

886

Tuszkiewicz, A.; Wysocka, F.;
Zwierz, J.; Szewczykowski, W.;
Bryc, Z.; and Pietraszkiewicz, M.
Symptomatology of Swamp Fever in
the Lublin District During the 1955
Epidemic, Ann Univ Mariae Curie-
Skłodowska, Sect D-Med, 13:363-381,
1959.

Excerpta Med, XVII:6:10:3547,
October 1960.

887

*Varfolomeeva, A.A.

The Properties and Nomenclature of
L. perepelitsin, A Causative Agent of
Benign Leptospirosis, J Hyg Epidemiol
Microbiol Immunol, 2:1:50-56, 1958.
(In English)

Excerpta Med, IV:12:5:1356, May 1959.

888

*Varfolomeeva, A.A.; Kovalsky, G.N.;
and Tokarevich, K.N.

A System of Pathogenic Leptospirae
Isolated in the U.S.S.R., Intern Bull
Bacteriol Nomenclature, 11:3:101-
105, July 15, 1961.

889

*Varfolomeyeva, A.A.

The History of the Discovery, the
Characteristics and Nomenclature of
the Cause of Leptospirosis, Lepto-
spira monjakow, J Microbiol Epidemiol
Immunobiol, 29:8:1214-1219, 1958.
(In English)

890

Varfolomeyeva, A.A.; and Lavrova,
M. Ia.

Foci of Leptospiroses and their
Classification Based on Data from
the Central Zone of the European
Part of the USSR, Diseases with
Natural Focal Character, p. 313-321,
1958.

891

Vicentijevic, C.

Leptospirosis in Domestic Ani-
mals in Serbia, Vet Glasn, 14:161-
165, 1960. (In Croat.)

892

Vysotskii, B.V.

Leptospiroses of the Maritime
Territory, Trudy Vladivost Nauchno-
Issled Inst Epidemiol Mikrobiol
Gigiyeny, 1:85-88, 1958.

893

Vysotskii, B.V.

Rational Specific Prevention of
Leptospirosis, Trudy Vladivost
Nauchno-Issled Inst Epidemiol Mikro-
biol Gigiyeny, 1:101-102, 1958.

894

Vysotskii, B.V.; and Gerngross, O.G.

A Case of Canicola Type Leptospiro-
sis in Vladivostok City, Trudy Vladi-
vost Nauchno-Issled Inst Epidemiol
Mikrobiol Gigiyeny, 1:92, 1958.

895

Vyostskii, B.V.; and Malykh, F.S.

Comparative Data on the Spread of
Leptospirosis Among Various Animals
in the Maritime Territory, Diseases
with Natural Focal Character, pp.
383-388, 1958.

896

*Vysotskii, B.V.; Malykh, F.S.; and
Kuznetsov, A.P.

Fur-Bearing Animals as Additional
Reservoirs of Pathogenic Leptospirae
in the Wild, J Microbiol Epidemiol
Immunobiol, 29:8:1227-1229, 1958.

897

*Vysotskii, B.V.; Malykh, F.S.; and
Prokofiev, A.A.

Notes from Practice Data on Lepto-
spirosis in Cats, J Microbiol Epidemiol
Immunobiol, 31:2:364-365, 1960. (In
English)

898

*Vysotskii, B.V.; and Rakhilin, V.K.

Results of Investigations of Certain
Birds and Freshwater Animals with Re-
gard to Leptospirosis, J Microbiol
Epidemiol Immunobiol, 31:9:1625-1627,
1960. (In English)

- 899 Vysotskii, B.V.; and Red'kina, V.G.
Observations on Carriers of Leptospirae Among Eastern Field Mice, Trudy Vladivost Nauchno-Issled Inst Epidemiol Mikrobiol Gigiyeny, 1:97-98, 1958.
- 900 Vysotskii, B.V.; and Rvashchenko, L.P.
Leptospirosis in Spotted Deer, Cervus nippon, Zhur Mikrobiol Epidemiol Immunobiol, 32:5:67-68, 1961. (In Russian)
Vet Bull, 32:1:65, January 1962.
- 901 Vysotskii, B.V.; Lisovitskaia, D.M.; and Losovitskii, N.F.
Data on the Clinical Course of Monakov Type Anicteric Leptospirosis (DV-B), Trudy Vladivost Nauchno-Issled Inst Epidemiol Mikrobiol Gigiyeny, 1:89-91, 1958.
- 902 Vysotskii, B.V.; and Malykh, F.S.
A Case of Vasil'ev-Weil's Disease in Vladivostok City, Trudy Vladivost Nauchno-Issled Inst Epidemiol Mikrobiol Gigiyeny, 1:94-96, 1958.
- 903 Vysotskii, B.V.; Malykh, F.S.; and Kuznetsov, A.P.
Animals Used for Industrial Purposes - Additional Reservoirs of Pathogenic Leptospirae in Nature, Trudy Vladivost Nauchno-Issled Inst Epidemiol Mikrobiol Gigiyeny, 1:99-100, 1958.
- 904 Wysocka, F.; Zwierz, J.; Jozefowicz, L.; Bryc, Z.; Durlakowa, I.; Lazuga, K.; Karmanska, K.; and Dabrowski, T.
Swamp Fever Epidemic of 1954-1955 in the Lublin District, Ann Univ Mariae Curie-Sklodowska, Sect D-Med, 13:32:341-361, 1958.
Biol Abstr, 35:19:53711, October 1960.
- 905 Yezhova, N.G.
Leptospira batavia, Diseases with Natural Focal Character, pp. 389-392, 1958. (In Russian)
- 906 Zaharija, I.
Experiences in Isolation of Leptospirae from Human Urine, Voinsanit Pregled, 14:11:684-687, November 1957.
- 907 *Zaitsev, A.A.; and Pokrovskaia, E.V.
Problem of Leptospirosis in Stavropol Territory, J Microbiol Epidemiol Immunobiol, 30:3:71-74, 1959.
- 908 *Zavadovskii, A.I.; Seppi, I.V.; Siniak, K.M.; and Ezhova, N.G.
Some Results of Studies of Infectious Diseases of Natural Focal Occurrence in the Western Oblast's of the Ukraine in the Years of Soviet Power, J Microbiol Epidemiol Immunobiol, 31:2:268-274, 1960. (In English)
- S. Yugoslavia
- 909 Antunovic-Mikacic, S.
Epidemiological Data on Leptospirosis in Yugoslavia, Med Glasnik, 11:10-11:417-423, October-November 1957.
- 910 Antunovic-Mikacic, S.
Recent Epidemiological Problems in Leptospirosis, Higijena, 12:388-406, 1960. (In Serbian)
- 911 Dzoljic, D.A.
Leptospirotic Abortion in Cattle in Serbia, Vet Glasnik, 14:407-412, 1960. (In Croat. with English summary)
Vet Bull, 30:12:3835, December 1960.

912

Dzoljic, D.A.
Leptospiral Abortion in Pigs in
Serbia, Vet Glasn, 14:505-509, 1960.
(In Croat. with English summary)

Vet Bull, 30:12:3836, December 1960.

913

Gerbec, M.
Medico-Military Significance of
Leptospirosis, Vojnosanit Pregled, 18:
57-62, January 1961. (In Serbian)

914

Miskov, D.; Mikacic, S.; Tomse, A.;
Rajic, M.; and Bodo, A.
Investigation of Leptospirosis in
Banat, Med Pregled, 11:3:133-150, 1958.

Excerpta Med, XVII:5:6:1560, June 1959.

915

Pavlovic, I.; and Bratic-Mikes, V.
Leptospirosis in Bosanska Krajina,
Med Arch (Sarajevo), 11:3:17-25,
May-June 1957.

916

Tomasic, P.
Problem of the Etiology of Endemic
Nephropathy, Lijecnicki Vjesnik, 82:
701-708, September-October 1960.

917

Tomasic, P.; Mikic, F.; and
Zivkovic, R.
Resistance of Leptospiral Titers,
Lijecnicki Vjesnik, 83:137-142,
February 1961. (In Serbian)

918

Zivkovic, R.
Leptospiral Meningism and Menin-
gitis, Lijecnicki Vjesnik, 81:465-
472, July-August 1959. (In Serbian)

919

Zivkovic, R.
Modern Concepts of Weil's Disease,
Lijecnicki Vjesnik, 82:741-750,
September-October 1960. (In Serbian)

T. Miscellaneous Countries

920

Addamiano, L.
Serological Classification of
Certain Strains of Leptospirae Iso-
lated in Indonesia, Rend Ist Super
Sanita, 22:1:5-12, 1959.

Bull Hyg, 35:2:196, February 1960.

921

Angelillo, B.; and Mellino, M.
Presence of Leptospiral Antibodies
in Sera of Cattle of Northern Central
Sardinia, Igiene Moderna, 53:11/12:
603-608, November-December 1960.

Bull Hyg, 36:10:1038, October 1961.

922

Babudieri, B.
Serologic Research on the Diffusion
of Leptospirosis in the Province of
Seville (Spain), Rend Ist Super
Sanita, 23:6:515-523, 1960.

Biol Abstr, 36:10:31466, May 15, 1961.

923

Been, T.E.; Clark, B.M.; Grant, L.S.;
and Broom, J.C.
Leptospirea kremastos Infection in
Jamaica, West Indies, W Indian Med J,
9:1:25-30, March 1960.

Bull Hyg, 36:4:369, April 1961.

924

Besseige, H.; and Chambon, L.
Report on Leptospirosis in Vietnam,
Bull Soc Pathol Exotique, 52:1:64-
78, January-February 1959.

925

Blanc, G.; Mailloux, M.; Kolochine-
Erber, B.; and Ascione, L.
Epidemiological Survey of Lepto-
spiras of Morocco, Bull Soc Pathol
Exotique, 54:761-776, July-August
1961. (In French)

- 926
Boccia, D.
Leptospirosis in the Rural Environment, Med Segur Trab, 8:5-17, October-December 1960. (In Spanish)
- 927
Dimitrov, D.
Some Cases of Leptospirosis in Slaughterhouse Workers, Savremena Med, 7:4:125-129, 1956. (In Bulgarian)
Excerpta Med, XVII:2097, 1957.
- 928
Electrocardiographic Changes in Leptospirosis, Zhong Neike Z, 7:733-741, August 1959.
- 929
Emanuel, M.L.
Leptospiral Infections in Papua in Guinea Med J, 3:3:76-80, 1959.
Excerpta Med, XVII:6:12:3972, December 1960.
- 930
Fraga de Azevedo, J.; and Faro, M.M.
Leptospirosis in Swine in Portugal, J Med (Porto) 38:832:24-26, January 1959.
- 931
Fraga de Azevedo, J.; and Monteiro da Costa Faro, M.
On the Presence of Leptospira hyos in Portugal, Arch Portugaises Sci Biol, 12:2:1-8, 1959. (English summary)
Biol Abstr, 36:5:14434, March 1961.
- 932
Fraga de Azevedo, J.; and Palmeiro, J.M.
Contribution to the Knowledge of Leptospirosis in the Domestic Animals of Portugal, J Med (Porto), 46:497-511, November 11, 1961. (In Portuguese)
- 933
Fuzi, M.; Alföldi, Z.; Kiszal, J.; and Raditz, I.
Studies on the Leptospirosis of Field Rodents in the Hansag, Mgeszegtudomány, 2:100-110, 1957.
Excerpta Med, XVII:4:1920, 1958.
- 934
Gesztli, O.; Chung, Huei-Lan; and Ts'ao, Wei-Chi.
Studies on Blood Coagulation Disorders in Experimental Leptospirosis, Chinese Med J, 75:8:603-615, 1957.
Bull Hyg, 33:6:577, 1958.
- 935
Grant, L.S.; and Bras, G.
Leptospirosis in Jamaica, Caribbean Med J, 19:1-2:22, 1957.
Excerpta Med, XVII:4:1921, 1958.
- 936
Guy, Y.; Houang, L.; and Placidi, L.
Leptospirosis. An Infection Common Both to Men and Animals. Current Balance Sheet of Research in Morocco, an Epidemiological Note, Maroc Med, 39:29-40, January 1960. (In French)
- 937
Hekimoglu, H.
Leptospirosis in Cattle, Sheep and Goats in Turkey, Etlik Vet Bakt Enst Derg, 1:87-97, 1960. (In Turkish with English Summary)
Vet Bull, 31:5:1384, May 1961.
- 938
Hou Tsung-Ch'and; Chung Huei-Lan; Yeh Huei-Fen; and Wu Hsueh-Tsung.
Further Studies on Animal Reservoirs of Leptospiral Parasites in Kwangtung Province, Natl Med J China, 43:8:603-604, 1957.
Excerpta Med, XVII:4:1528, 1958.

939

*Huei-Lan, C.; Hsi, C.F.; Hsueh-Tsung, W.; Huei-Fen, Y.; Tsung-Ch'ang, H.; Nai-Cheng, C.; Wei-Hsun, H.; and Wei-Chi, T'Sao.

Leptospirosis: Epidemiological Studies in the Kwangtung Province, China, J Hyg Epidemiol Microbiol Immunol, 4:3:347-362, 1960.

940

Jacquier, C.

Contribution to the Study of Canine Leptospirosis in Geneva, Schweiz Arch Tielheilk, 101:5:237-245, 1959.

Biol Abstr, 34:2:5240, October 1959.

941

Leptospirosis Epidemic in Honan Province, Natl Med J China, 4:9:848, 1958.

Excerpta Med, XVII:5:10:2897, October 1959.

942

Mailloux, M.; and Kolochine-Erber, B.

Leptospiroses in the Former Territories of the French Union, Zeit Tropenmed Parasit, 12:307-325, October 1961. (In French)

943

*McCrumb, F.R., Jr.; Stockard, J.L.; Robinson, C.R.; Turner, L.H.; Levis, D.G.; Maisey, C.W.; Kelleher, M.F.; Gleiser, C.A.; and Smadel, J.E.

Leptospirosis in Malaya. I. Sporadic Cases Among Military and Civilian Personnel, Amer J Trop Med Hyg, 6:2:238-256, 1957.

944

Mendoza, H.P.; Varela, G.; and Mendez, D.

Estudios de leptospirosis en la Ciudad Mexico, Rev Inst Salubridad y Enfermedad Trop (Mex), 18:37-39, 1958.

945

Pathophysiological Studies on Leptospirosis. IV. Roentgenological Manifestations of Chest Films, Zhong Neike Z, 7:971-974, October 1959. (In Chinese)

946

Rafyi, A.; and Maghami, G.

Incidence of Leptospirosis in Iran, Bull Soc Pathol Exotique, 50:5:657-659, September-October 1957.

947

Rafyi, A.; and Maghami, G.

Incidence of Leptospirosis in Livestock in Iran, Bull Off Intern Epizoot, 51:909-911, 1959.

948

Rafyi, A.; and Maghami, G.

Incidence of Leptospirosis in Iran. Isolation of L. grippotyphosa from Man and Cattle, Bull Soc Pathol Exotique, 52:5:592-596, Sept/Oct 1959.

949

Rafyi, A.; and Maghami, G.

Incidence of Leptospirosis in Iran. III. Isolation of Leptospira grippotyphosa (L. bovis) from Sheep, Bull Soc Pathol Exotique, 54:2:179-181, March-April 1961. (In French)

Bull Hyg, 36:12:1270, December 1961.

950

*Rajasuriya, K.; Somasunderam, M.; and Nagaratnam, N.

Leptospirosis in Ceylon, J Trop Med Hyg, 62:9:205-210, September 1959.

951

Rennella, E.; and Savino, E.

Findings on an Epidemic Outbreak; Leptospiral and Viral Infection, Dia Med, 31:24:612; passim, 1959.

- 952
 *Smith, C.E.G.; Turner, L.H.;
 Harrison, J.L.; and Broom, J.C.
 Animal Leptospirosis in Malaya.
 III. Incidence in Rats by Sex,
 Weight and Age, Bull World Health
Organization, 24:6:807-816, 1961.
- 953
 *Smith, C.E.G.; Turner, L.H.;
 Harrison, J.L.; and Broom, J.C.
 Animal Leptospirosis in Malaya.
 II. Localities Sampled, Bull World
Health Organization, 24:1:23-34, 1961.
- 954
 *Smith, C.E.G.; Turner, L.H.;
 Harrison, J.L.; and Broom, J.C.
 Animal Leptospirosis in Malaya.
 I. Methods, Zoogeographical Back-
 ground, and Broad Analysis of Re-
 sults, Bull World Health Organization,
 24:1:5-21, 1961.
- 955
 Turner, L.H.; Elisberg, B.I.;
 Smith, C.E.G.; and Broom, J.C.
 Acute Febrile Illnesses in Malaya:
 Leptospirosis, Med J Malaya, 14:2:83-
 98, December 1959.
Bull Hyg, 35:9:892, September 1960.
- 956
 Van Houte, O.; Hanson, J.; and
 Holemans, R.
 First Case of Leptospirosis
 Grippotyphosa Observed in Belgium,
Acta Clin Belg, 14:4:386-402, 1959.
Excerpta Med, VI:14:9:6057, Septem-
 ber 1960.
- 957
 van Riel, J.; Bienfet, V.; and van
 Riel, M.
 New Studies on Swine and Bovine
 Leptospiroses in Belgium, Bull Acad
Med Belg, 22:6-7:319-337, 1957.
- 958
 Varela, G.; Vazquez, A.; and Mancera,
 L.
 Investigacion de aglutininas para
Leptospira icterohaemorrhagiae, L.
pomona y L. canicola en sueros humanos
 y de animales, de diversos estados
 de la Republica Mexicana, Rev Inst
Salubridad y Enfermedad Trop (Mex),
 18:31-36, 1958.
- 959
 Veltsos, A.; and Reklitis, S.
 Leptospira Infection of Pigs in
 Greece, Delt Hellen Kten Hetair, 2:
 129-133, 1957. (In Greek with French
 summary)
Vet Bull, 28:2768, 1958.
- 960
 Wang Chia-Chu
 Leptospirosis in Linhai District:
 Analysis of 37 Cases, Chinese J In-
ternal Med, 6:12:1184, 1958.
Excerpta Med, VI:14:1:83, January
 1960.
- 961
 Wang, C.C.; Ho, S.Y.; and Ma, C.C.
 Experimental Study of Leptospira;
 Cultivation, Animal Inoculation and
 Sensitivity Test, Chinese Med J, 4:
 1:155-162, 1956.
Excerpta Med, IV:10:2143, 1957.
- 962
 Wolff, J.W.; Collier, W.A.; Bool, P.
 H.; and Bohlander, H.
 Investigations on the Occurrence of
 Leptospirosis in Surinam, Trop
Geograph Med, 10:4:341-346, December
 1958.
Bull Hyg, 34:11:1113, November 1959.
- 963
 Wolff, J.W.; Heirman, A.L.; and
 Bohlander, H.J.
 A Survey of the Occurrence of Lep-
 tospirosis in a Dairy Herd in the Re-
 public of Panama, Trop Geograph Med,
 12:82-90, 1960.

AUTHOR INDEX

Asterisk denotes senior author.

- Acosta-Matienzo, J., 131
 Adamor, A.K., 701*
 Adams, W.V., 697
 Addamiano, L., 139*, 140*, 219*, 405*, 408*, 920*
 Adinarayanan, N., 604*
 Adzharov, M., 702*
 Aga, H., 263*
 Agache, V., 473
 Aizenberg, B.S., 703*
 Aizenshtadt, D.S., 856
 Aktan, M., 141*
 Alberts, J.O., 166
 Albuquerque, F.J.M., 77
 Alexander, A.D., 23, 142*, 143*, 159, 282, 283, 338, 374, 432*
 Alexandrescu, R., 83, 724
 Alfoldi, Z., 586
 Alfoldy, Z., 321, 579*, 580*, 587, 588, 597, 933
 Aliev, A.G., 704*, 705*
 Allen, R.E., 509
 Alonso, C., 347
 Alston, J.M., 1, 2, 433
 Altamirano, S., 391*
 Altava, V., 636*
 Alva, V., 670
 Amato Neto, V., 676
 Ammons, J., 78, 698
 Amosenkova, A.I., 883
 Anan'in, V.V., 772
 Anan'un, V.V., 707*, 708*
 Angelillo, B., 921*
 Angelov, S., 513*, 514*, 709*
 Annear, D.I., 409*, 426*
 Antunovic-Mikacic, S., 34, 909*, 910*
 Aoki, T., 109, 629
 Areal, V.M., 113, 114
 Ascione, L., 925
 Ashford, W.A., 501
 Ashizawa, Y., 315
 Ashmarin, I.I., 710*-712*
 Asmera, J., 529*, 530*
 Austoni, M., 115, 127, 144*
 Azuma, I., 145*
- Babudieri, B., 43, 66, 140, 144, 146*-150*, 242*, 243*, 285*, 286, 405, 435*, 488*, 637*, 922*
 Bader, M., 600
 Baguena Candela, R., 79
 Bajocchi, E., 44, 120, 366
 Baker, E.D., 244*
 Bakoss, P., 178, 367, 531*, 532*, 543, 837
- Ball, M.G., 69, 423*, 606*
 Bals, M., 581*
 Bannister, G.L., 528
 Barandun, S., 494
 Barrera, M., 434
 Battistini, G., 669
 Bauch, H., 359
 Bauer, D.C., 116, 214*, 331
 Baylet, J., 503
 Beamer, P.D., 307
 Beck, G., 80
 Been, T.E., 923*
 Beeson, P.B., 3
 Bence, J.J., 151*
 Benedek, C., 473
 Benedicto, M., 662*
 Benenson, A.F., 88
 Benenson, A.S., 131
 Berard, P.V., 117
 Bercea, I., 603
 Berg, G.M., 688
 Bergman, E.N., 386
 Berkovich, A.I., 765
 Berkut, I.B., 744
 Bernard, L., 100
 Bertaud, W.S., 320
 Bertelli, G., 144
 Bertok, L., 67, 489*, 582*
 Bertrand, M., 438
 Besseige, H., 559*, 924*
 Bialik, Z.M., 713*
 Bienfet, V., 957
 Blagodarniia, I.A., 714*-716*
 Blagodarnyi, Y.A., 829
 Blagoveshchenskaia, N.M., 717*-720*
 Blanc, G., 925*
 Blenden, D.C., 152*, 180
 Bliznichenko, A.G., 719, 765
 Boak, R.A., 255, 428, 679*
 Boccia, D., 220*, 926*
 Bocker, D., 4
 Bodfish, R.E., 679
 Bodo, A., 914
 Bohl, E.H., 233, 325, 357, 436*
 Bohlander, H.J., 121, 210, 211, 486, 962, 963
 Bokori, J., 583*, 584*
 Bone, J.F., 287*
 Bool, P.H., 962
 Bordes, F.P., 267
 Borg-Petersen, C., 164, 165, 303-305, 395
 Borisova, L.A., 721*
 Borodina, L.T., 722*
 Boulanger, P., 288*, 410*, 523*, 527, 528
 Bounhour, R.L., 437*
 Bourke, G., 118

- Boyd, D.H.A., 81
 Boyd, F.M., 45, 289*
 Boyer, G., 267
 Bracken, F.K., 253, 449
 Bracken, L.M., 317
 Brackenridge, D.T., 505
 Brandis, H., 82
 Bras, G., 935
 Bratic-Mikes, V., 915
 Braun, J.L., 680*
 Brede, H.D., 294*
 Brightenback, G.E., 245*
 Brion, A., 438*
 Broom, J.C., 2, 31, 575*, 576*, 923, 952-954
 Brown, A.L., 290*
 Brown, M.A., 471
 Brown, R.Z., 681*
 Brown Lemm, A., 674
 Brueckner, R.M., 502
 Bryan, H.S., 440*
 Bryc, Z., 886, 904
 Buerki, F., 291*, 292*
 Bukhovets, V.D., 723*
 Bulgini, M.J., 393, 665, 666
 Buonaccorsi, A., 342
 Burdin, M., 501
 Burdzy, K., 55
 Burgdorfer, W., 402*
 Burki, F., 153*, 154*, 392*, 439*
 Burnstein, T., 293*
 Burrows, W., 5
 Busila, V.T., 83, 655*, 724*
 Bussinello, E., 119, 120, 366, 405
 Buzna, D., 155*
- Cacchione, R.A., 393* 665, 666
 Caldas, A.D., 667
 Calero, J.R., 157*
 Camain, R., 503
 Campara, L., 663*, 664*
 Canessa, G., 99
 Carbrey, E.A., 158*, 295*, 683
 Cardeilhac, P.T., 338, 339
 Carlos Calero, M., 441*
 Carmelo, V., 666
 Carr, J.W., 339
 Carunter, F., 581
 Cascelli, E.S., 393
 Cashore, S., 509
 Castelli, M., 43
 Cavrini, C., 616*
 Ceausu, E., 473
 Cechowicz, W., 638*
 Cedro, V.C.F., 665*
 Celkova, S., 778
 Ceresa, C., 617*, 618*
 Chambon, L., 924
 Chandiramani, N.K., 604
- Chang, R.S., 183
 Chapel, D.F., 335*
 Chapman, J.F., 691
 Chappell, V.E., 682*
 Cheregi, T., 661
 Chernousova, A.V., 725*, 726*
 Chernukha, I.G., 708, 727*, 728*
 Chernukha, Y.G., 882
 Chernykh, I.P., 729*
 Chesler, E., 502
 Ch'iu, F.H., 84
 Ch'iu, Y.C., 121
 Cholvín, N.R., 296*
 Christ, P., 495
 Chung, H.L., 84, 934, 938
 Chunikhin, V.P., 839, 840
 Chylo, E., 776
 Clark, B.M., 923
 Clark, G.W., 363
 Clark, L.G., 297*, 298, 299, 411*, 683*
 Clemente, J., 229
 Clintron-Rivera, A.A., 131
 Cochavy, Z., 608*
 Coffin, D.L., 183, 412*
 Coghlan, J.D., 442*, 576
 Cohn, A.P., 85
 Collier, W.A., 962
 Combiesco, D., 656*-658*, 660*
 Constantinesco, N., 246*
 Cora, D., 115
 Corneleac, V., 731*
 Cornell, R.G., 170
 Correa, M.O., 667, 668
 Correa, M.O.A., 676
 Costa Faro, M.M., 92
 Cousineau, J.G., 6, 525
 Covalada, J., 258
 Cox, C., 46, 53*, 159*, 160*, 413*, 414*, 490*
 Cravcevschi, V., 83, 724
 Cresco, T., 473
 Crivetz, D., 732*
 Croccell, L., 100
 Crooks, J., 86
 Csoka, R., 11, 167, 168, 267, 416, 491
 Cucuruz, L., 83, 132, 724
 Cunningham, M.P., 577*
 Cvetkovic, L., 733*
 Cyrus, B., 533*
- Dabrowski, T., 646, 647, 904
 Dacres, W.G., 300*, 319
 Dalai, P.M., 607*
 Dambrowski, T., 642
 D'Apice, M., 668
 Darasse, H., 503
 D'Ascani, E., 444*
 Davies, M.E., 161*
 Dean, D., 349, 350

Debry, G., 96
 Degtyarev, V.I., 734*
 Delahousse, J., 267*
 Delons, S., 563
 Del Rey, J., 427*
 Deparis, M., 87
 Dereteva, I.I., 735*
 Desoille, H., 736*
 Dezhurova, A.V., 737*-740*
 Diaz-Rivera, R.S., 88, 131
 Dimitrov, D., 927*
 Dinca, G., 742
 Dodd, D.C., 505*
 Doherty, R.L., 105, 122, 506*
 Dold, H., 445*, 569*
 Dolowy, W.C., 162*
 Dombrowski, T., 645
 Donn, B.M., 91
 Dotti, F., 123, 619*
 Dozsa, I., 394*, 741*
 Draghici, D., 661
 Draghici, O., 742*
 Driver, F.C., 380
 Duggan, J.M., 89
 Duma, G., 732
 Durlakowa, I., 904
 Dushevin, I.P., 765
 Dymowska, Z., 148, 637, 743*
 Dzoljic, D.A., 911*, 912*

Eames, L.N., 116
 Edwards, C.L., 52, 53
 Edwards, G.A., 7, 90, 91*
 Eichenwald, H., 674
 Eisler, L., 530
 Elian, M., 42, 201, 877
 Elias, I.M., 132, 205
 Elisberg, B.I., 955
 Ellinghausen, H.C., Jr., 47, 48
 Emanuel, M.L., 929*
 Engelbrecht, E., 28, 478
 Entin, I.S., 854
 Epstein, B., 663, 664
 Eskin, V.A., 744*
 Evans, L.B., 142, 143, 338
 Ezhova, N.G., 908

Faine, S., 68*, 215*
 Fairbrother, R.W., 8
 Farina, R., 163*, 302*, 620*, 621*
 Farneti, F., 622*
 Faro, M.M., 930
 Feltynowski, A., 55
 Fennestad, K.L., 164*, 165*, 303*-305*, 395*
 Ferenc, K., 585*
 Ferguson, L.C., 116, 306*, 357
 Ferris, A.A., 507

Ferris, D.H., 166*, 307*, 308*
 Filimon, F., 731
 Filippovich, A.N., 738
 Fischer, G.W., 309*
 Fish, N.A., 524*
 Fitarau, A., 83
 Fitzrau, A., 724
 Fizette, W.B., 233, 310*, 357
 Flamm, H., 9
 Flir, K., 311*
 Foissac-Gegouz, P., 563
 Fourous, E., 559
 Fraga de Azevedo, J., 92, 930*-932*
 Frasincl, N., 132
 Frederico, C., 666*
 Freedle, J.P., 446*
 Freeman, A., 35
 Friedman, S.L., 861
 Fremont, J., 567
 Froyd, G., 501
 Frummauer, Z., 536
 Fua, C., 93, 124, 623*
 Fuchs, G.H., 216*, 447*
 Fuchs, G.H.P., 10
 Fujita, J., 56, 250, 382
 Fulcrand, G., 563
 Fumagalli, E., 190, 230
 Fuzi, M., 11*, 167*-168*, 267*, 321, 415*-416*, 491*, 580, 586*-591*, 597, 599, 745, 933

Gajdusek, C., 674
 Galton, M.M., 26, 37, 38, 54, 78, 169*-171*, 188, 231, 309, 326, 352, 420, 448*, 674, 684*-686*, 691, 698
 Galuppi, G.M., 624*
 Gangel, G., 49*, 224*
 Garrigus, U.S., 682
 Gaspardis, D., 149
 Gaspert, P., 482
 Gazhiev, V.V., 746*
 Gdanietz, K., 570*
 Gear, J., 502*
 Gentile, G., 312*
 Georgescu, C., 731
 Gerbaut, P., 94
 Gerbec, M., 913*
 Gerhardt, M.R., 69
 German, A.L., 767, 769
 Gerngross, O.G., 894
 Geszti, O., 934*
 Gherardi, M., 625*
 Gherman, N., 775
 Gibet, L.A., 747*
 Gierlich, H., 225*
 Gikherman, P.I., 739
 Gilka, F., 534*
 Gillespie, J.H., 244

Gillespie, R.W.H., 247*-249*, 251-253,
317-318, 449*

Girard, K.F., 419

Gisep, C., 439

Giusti, G., 405

Glavan, B., 205

Gleiser, C.A., 313*, 386, 493, 943

Glovatskaia, M.G., 748*-749*

Gluhovschi, N., 205

Goard, K.E., 450*

Gochenour, W.S., Jr., 492*, 493*

Going, R.F., 36

Goldberg, H.S., 152, 180

Goncharova, K.F., 718

Gorman, G.W., 169, 171, 184, 326, 681,
691

Gorshanova, E.N., 750*-752*

Gorshanova, Y.N., 753*-759*

Graham, L., 51

Grant, L.S., 923, 935*

Gray, J.E., 322

Grazioli, C., 451*, 617, 618

Greer, W.E., 360

Grigor'ev, I.I., 760*, 761*

Grimes, R.D., 184

Gringer, L., 524

Gsell, O., 269

Gualdi, G., 120

Guida, V.O., 12, 667*, 668*

Gutierrez, M., 157, 427

Guy, J., 452*, 936*

Guzacheva, V.Y., 762*-764*, 795

Haapanen, L., 833

Habermann, R., 686

Habermann, R.T., 188

Hajela, S.K., 604

Hale, M.W., 687*

Hall, A.D., 37, 170

Hall, H.E., 88

Hall, M.R., 95

Hall, R.A., 525

Halonen, P., 833

Hamdy, A.H., 357

Hanagawa, R., 250*

Hansen, N.F., 511

Hanson, J., 956

Hanson, L.E., 13, 166, 234*, 307, 308,
314, 324, 682

Hanson, R.P., 206, 372

Harris, A.H., 693

Harrison, J.L., 952-954

Hartemann, P., 96

Hasegawa, B., 109

Havlik, O., 417*, 535*, 536*, 545

Hayes, F.A., 360

Hegyessy, G., 172*, 561

Heirman, A.L., 486, 963

Hekimoglu, H., 396*, 937*

Helluy, J.R., 94

Herrer, A., 173*, 454, 669*, 670

Hines, M.P., 686

Hiramune, T., 56, 250, 382-385, 633

Hirota, E., 227, 628, 634, 635

Hirsch, W., 610

Hirschberg, N., 418*, 686

Hirt, G., 583, 592*

Ho, S.Y., 961

Hoerlein, A.B., 307

Holemans, R., 956

Hollister, C.J., 297-299, 411, 683

Horton-Smith, C., 453*

Hou, T.C., 84, 938*

Houang, L., 452, 936

Howard, A.A., 85

Howarth, J.A., 406*, 421

Hryniewicz, H., 638

Hsi, C.F., 939

Hsueh-Tsung, W., 939

Huei-Lan, C., 939

Hughes, D.L., 455*

Hugonot, R., 563

Hunter, W.F., 89

Iankov, N., 819

Ianovich, T.D., 719, 765*

Iarovi, L.V., 766*

Igolkin, N.I., 831

Imamura, S., 315*, 627*

Inui, S., 227, 628*

Irlin, S.P., 744

Isacson, I., 83, 724

Ishii, S., 56, 250, 382-385, 633

Israel, H., 603

Ivanov, I., 819

Ivanov, N., 814

Ivanova, M.G., 804

Ives, C.J., 577

Ivler, D., 50

Iwata, A., 227*, 628

Iyer, P.K.R., 343

Izotov, P.V., 744

Jackson, A., 502

Jacquier, C., 940*

Jain, N.C., 604

Janicek, B., 554

Jaskiewicz, K., 639

Jeandin, F., 94

Jelev, W., 316*

Jellison, W.L., 688*

Jensen, J.H., 245

Jicman, M., 83, 724

Jimenez, L., 98, 99

Jivoir, P., 593*, 661*

Johnson, R.C., 15, 70, 71

Jones, R.K., 217*, 689*

Jordon, G., 445, 569
 Josland, S.J., 509*
 Jozefowicz, L., 904
 Jungk, G., 456*
 Jungk, N., 241
 Justice, W.H., 174*

Kalz, G., 16
 Kamburov, G., 520
 Kameta, M., 627
 Kaniak, J., 639*
 Kappeler, R., 125, 494*
 Karaseva, E.V., 708, 767*-769*
 Karimova, Z.K., 770*
 Karmanska, K., 640*, 904
 Karstad, L., 372
 Kashanova, N.I., 772
 Kasza, L., 583, 592, 594*
 Kathe, J., 457*
 Katsura, S., 228*
 Kavtaradze, K.N., 397*
 Kawashima, H., 634, 635
 Keen, B.C., Jr., 142
 Kelen, A.E., 175*, 181
 Kelleher, M.F., 943
 Kemenes, F., 67, 176*, 394, 489, 582-
 584, 594, 595*, 596*, 741
 Kennedy, H.F., 100
 Kenzy, S.G., 247-249, 251*, 252*, 253,
 317*, 318*, 449
 Keown, G.H., 253, 317, 318
 Khankin, N.I., 771*
 Khorava, G.V., 806, 871, 872
 Khotimskaia, B.Z., 860
 Kicinska, H., 743
 Kiesel, G.K., 300, 319*
 Kiktenko, V.S., 772*
 Kikuchi, J., 270
 Kimura, H., 145
 King, D., 241
 Kinkiewicz, W., 773*
 Kirachner, L., 51, 320*, 508*
 Kiser, J.S., 229*
 Kissell, P., 96
 Kiszal, J., 321*, 586-591, 597*-599*,
 745, 933
 Kita, E., 630*, 631*
 Kitaoka, M., 629*
 Kleinschmidt, A., 495*
 Klemola, E., 833
 Klepko, G.D., 774*
 Klipper, A., 600*, 775*
 Kmetz, E., 177*, 178*, 341, 532, 537*,
 538*, 541, 543, 776*, 777*, 837
 Knieriem, B.B., 354
 Knothe, H., 40
 Kokovin, I.L., 879, 882
 Kolar, O., 539*, 728
 Kollar, K., 778*

Kolochine-Erber, B., 72, 97, 179*, 186,
 187, 458*, 560*-564*, 566, 567, 736,
 925, 942
 Kolychev, V.V., 779*
 Kononov, G.N., 779
 Korenberg, E.I., 767
 Kornilova, A.L., 726
 Koslak, A., 55, 74, 344, 345, 404, 485,
 573, 646, 647
 Kostov, V., 520
 Koval'skii, G.N., 780*
 Kovalsky, G.N., 888
 Kozicka, A., 398*, 781*, 782*
 Kozłowska, D., 743
 Kraljevic, R., 98, 99
 Kraminskaia, N.N., 744, 783*
 Krasilnikov, A.P., 784*-788*
 Krasil'nikov, A.P., 739
 Krepkogorskaia, T.A., 789*-794*
 Kresse, J.L., 297-299, 411, 683
 Kruglikov, V.M., 795*
 Kruglova, V.M., 797*
 Krukowska, M., 74, 344, 573
 K'wang, C.H., 84
 Kubinyine, S.M., 172, 601*
 Kuimdzhiyev, I., 513, 514, 709
 Kujumgiev, I., 407*, 515*, 798*
 Kulaga, I.I., 739
 Kunert, H., 571*
 Kuppuswamy, B.V., 152
 Kuppuswamy, P.B., 180*
 Kuribayashi, K., 627
 Kusov, V.N., 799*
 Kuthy, L., 583
 Kuz'mina, R.M., 882
 Kuznetsov, A.P., 896, 903

Labzoffsky, N.A., 175, 181*
 Lang, R.W., 132*, 331
 Langeron, L., 100
 Langham, R.F., 296, 331-334, 336,
 361, 399*
 Lankov, N., 516*
 Laporte, A., 565*
 Larson, A.D., 46, 52, 53, 73
 Laval, J., 108
 Lavrina, M.I., 800*
 Lavrova, M.I., 801*, 890
 Lawrowa, M.J., 134
 Lazuga, K., 55, 259, 646, 647, 904
 Lebeda, M., 540*
 Leborgne, M., 87
 Lee, J.H., 251
 Leluliu, C., 661
 LeMaistre, C., 78, 698
 Lenhky, F., 547, 548
 Leonard, W.A., Jr., 101
 Leopold, G.P., 572*
 Lepoutre, J., 100

Leshikov, A.L., 803*, 804*
 Levigueloux, J., 377, 568
 Levis, D.G., 943
 Lewis, C., 322*
 Liapsutin, A.K., 805*
 Liashenko, V.D., 796
 Liceras, J., 173, 454, 669
 Lincitt, W.D., 423
 Linden, D., 697
 Lindqvist, K.J., 323*
 Lindtrop, G.T., 806*
 Lingard, D.R., 324*
 Linscott, W.D., 254*, 255*, 428*, 679
 Lipanowicz, J., 641*
 Lisovitskaia, D.M., 901
 Liu, H.S., 121
 Liubashenko, S.I., 807*
 Live, I., 358
 Lococo, S., 325*
 Logue, J.T., 126
 Lorrain, J., 94
 Losovitskii, N.F., 901
 Lovell, R., 19
 Ludford, C.G., 460*
 Luethi, H., 494
 Lundbeerg, A., 323
 Lundberg, A., 332
 Lundberg, A.M., 362
 Lung, J., 670
 Lustrea, V., 205

 Ma, C.C., 961
 McBride, M.E., 419*
 McComb, D.E., 183*
 MacCready, R.A., 183
 McCrumb, F.R., Jr., 143, 461*, 462*, 943*
 McDonald, N.R., 256*
 McIntyre, W.I.M., 577
 Mackay-Dick, J., 271*-274*
 McKeever, S., 171, 184*, 326*, 691*
 McKiel, J.A., 6, 525*
 Maclean, D., 499
 McRae, L., 352
 Maeda, T., 185*, 632
 Maestrone, G., 412
 Maghami, G., 946-949
 Maguire, T., 320, 508
 Mahnke, P.F., 464
 Mailloux, M., 72, 97, 179, 186*, 187*,
 458, 561-564, 566*, 567*, 925, 942
 Maisey, C.W., 943
 Malyk, F.S., 809*
 Malykh, F.S., 810*, 895-897, 902, 903
 Mancera, L., 958
 Manigand, G., 87
 Manoko, K., 429
 Marberg, K., 609*
 Marchand, E.J., 88
 Marchwicki, R.H., 143, 338
 Marin, I., 132

Markov, G.P., 812*, 813*
 Markovetz, A.J., 73
 Marshak, R.R., 297-299, 410, 683
 Marshall, V., 244
 Martin, D.S., 20
 Martinez, E.S., 393, 665, 666
 Martin Rueda, F., 258*
 Mascaro, L.A., 21
 Masetto, I., 127
 Mateew, D., 150, 517*
 Matveev, D., 814*
 Medinskii, G.M., 815*
 Megarity, A., 112
 Meira, J.A., 77
 Mellino, M., 921
 Mendez, D., 944
 Mendoza Hernandez, P., 944
 Menges, R.W., 22, 37, 38, 54, 78, 188,
 420*, 448, 686, 698
 Merker, H., 445, 569
 Meshchenko, V.M., 832
 Michna, S.W., 327*-329*
 Mikacic, S., 914
 Mikhailovskii, B.N., 330*, 816*, 817*
 Miletto, G., 128
 Milin, J., 128
 Miller, N.G., 151, 189*
 Minkerich, I.A., 818*
 Miskov, D., 914*
 Mitchell, D., 523, 526*-528*
 Mitov, A., 516, 819*
 Mitrofanova-Perfil'eva, E.B., 820*
 Mittermayer, T., 541*
 Mochmann, H., 464*, 496*
 Mollaret, P., 736
 Mondini, S., 616
 Monteiro da Costa Faro, M., 931
 Monteverde, A., 190*, 230*, 451, 617, 618
 Mori, R., 58
 Morozova, V.P., 720, 821*
 Morse, E.V., 182, 214, 296, 323, 331*
 332*, 336*, 465*
 Morter, R.L., 191*, 218*, 332, 333*-335*,
 348, 361, 399, 692*
 Mosier, J.E., 337*, 466*
 Moulton, J.E., 421*
 Mstibovskii, S.A., 765
 Muraschi, T.F., 39*, 192*, 349, 350,
 693*
 Murav'ev, N.V., 822*, 823*
 Muromtsev, S.N., 824*
 Murphy, L.C., 23, 159, 338*, 339*, 374
 Murtagh, R.V., 671*
 Musaev, M.A., 825*-827*

 Nagaratnam, N., 950
 Nagata, Y., 315
 Nahmias, A.J., 231*
 Nai-Cheng, C., 939

Nakaya, I., 109
 Narskaia, Y.V., 768
 Nasibulina, F.K., 828*, 829*, 859*
 Natale, V., 667, 668
 Navotnaia, Z.Y., 832
 Nedjalkoff, S., 340*
 Neto, V.A., 77
 Nicolesco, I., 657
 Nicolescu, A., 661
 Nikiforov, L.P., 747
 Norris, T.S., 578*
 Norval, J., 24, 442
 Novikova, V.N., 830*, 831*
 Novokreshchenov, B.V., 832*
 Nyerges, G., 587

Okazaki, W., 221, 232, 253, 318, 497
 Oker-Blom, N., 833*
 Olsen, C.D., 694*
 Oravee, C., 341*
 Osherova, D.S., 768
 Otsuka, S., 429*
 Owen, C.R., 441

Packer, R.A., 295
 Paget, M., 100
 Paina, N., 600
 Palmeiro, J.M., 932
 Palomino, C., 99
 Paltrinieri, S., 342*
 Pande, P.G., 343*
 Panter, S.I., 516
 Papachiracu, E., 193*
 Parnas, I.K., 642*
 Parnas, J., 25, 55, 74, 137, 259*, 344*,
 345*, 398, 573*, 643*-647*, 781, 782
 Pathy, M.S., 130, 467*
 Paton, I.M., 695
 Paul, A., 94
 Pavlov, P., 519*
 Pavlovic, I., 915*
 Pavlovskogo, E.N., 834*
 Pentek-Juhasz, M., 562*
 Penttinen, K., 833
 Pereira Zapata, S., 281
 Perez Pardo, J., 261
 Persova, K.S., 864, 865
 Pestana de Castro, A.F., 672*
 Petelina, L.P., 769
 Petrov, P., 522
 Petrov, R.V., 835*, 836*
 Petru, M., 542*
 Phillips, C.E., 260*
 Pierotti, P., 346*
 Pietraszkiewicz, M., 886
 Pike, R.M., 194*, 195*, 695*
 Pinelli, G., 616
 Placidi, L., 452, 936

Plesko, I., 543*, 776, 837*
 Pogosyan, L.S., 838*
 Pohjanpelto, P., 833
 Pokorny, B., 417, 542, 544, 545*, 547*,
 548*, 549*
 Pokrovskaja, E.V., 907
 Poliakova, I.L., 839*, 840*
 Pondolfo, G.P., 236
 Ponomareva, O.I., 861
 Pop, I., 473
 Pop, O., 83, 655, 724
 Popian, R., 83, 724
 Popken, F., 229
 Popova, E.M., 841*
 Popova, Y.M., 883
 Popp, L., 574*
 Porsche, T., 132
 Porta, E., 347*
 Portwich, F., 40
 Powers, D.K., 170, 171, 309, 691
 Prenza, B., 851
 Preston, K.S., 348*
 Present, I.I., 864, 865
 Prokofiev, A.A., 897
 Prudnikova, M.N., 882
 Pumarola, A., 258, 261, 662
 Pupkevich-Diamant, I.S., 843*
 Quine, A.H., 196*

Raditz, I., 588, 933
 Rado Figueredo, R., 197*
 Radu, I., 657, 658, 660
 Rafyl, A., 946*-949*
 Raisi, F., 622
 Rajasuriya, K., 950*
 Rajic, M., 914
 Rakhilin, V.K., 898
 Ramachandra, 343
 Range, J.C., 306
 Ramos-Morales, F., 88, 130
 Ray, J.A., 335
 Red'kina, V.G., 899
 Redmond, H.E., 471
 Reich, C.V., 162
 Reichrath, S., 132
 Reilly, J.R., 349*, 350*
 Reina-Guerra, M., 406
 Reinhard, K.R., 441
 Reklitis, S., 959
 Rementsova, M.M., 799
 Renella, E., 673*, 951*
 Repetto, O.M., 236
 Reynolds, I.M., 235, 351*, 363-365, 696*
 Rezek, V., 550*
 Rhoades, H.E., 166, 308
 Rhodes, L.J.L., 262*
 Rice, C.E., 523
 Rigaud, J.L., 559

- Riley, H.D., Jr., 107
 Ringen, L.M., 198*, 221*, 232*, 252,
 253, 318, 422*, 449, 497*
 Ristic, M., 26, 352*, 425
 Rittenberg, M.B., 423*
 Roberts, C.O., 353*, 374
 Robinson, C.R., 41, 102, 943
 Rogols, S., 233*
 Roman, A., 581
 Rosenquist, B.D., 38, 420
 Ross, C.A.C., 199*
 Roth, E.E., 354*, 697*
 Rothstein, N., 200*, 237*
 Royer, R., 96
 Rozanova, G.N., 845*, 846*
 Rozera, G., 468*
 Rudge, J.M., 256, 510*
 Rullan, J.A., 131
 Russell, R.P., 511*
 Russell, R.W., 275*
 Rvashchenko, L.P., 900
 Rybkina, L.G., 847*
 Rynkina, L.G., 813

 Sabbioni, G., 123
 Saforov, K.M., 848*, 849*
 Sagaidak, L.P., 831
 Sakai, N., 355*
 Sakai, T., 351, 364, 365
 Sakharov, J., 851*
 Salcedo, M., 98, 99
 Salminen, A., 833, 852*
 Salvi, A., 405
 Samedov, A.S., 853*, 854*
 Samsonova, A.P., 839, 840
 Sanchis-Bayarri, V., 79
 Sanders, D.A., 26, 352
 Sanders, R.H., 356*, 400*
 Sanger, V.L., 306, 357*
 Santa Rosa, C.A., 667, 668, 672
 Santarelli, E., 444
 Sapiro-Hirsch, R., 610*
 Sapronov, Y.G., 855*
 Sarrazin, A., 87
 Saslaw, S., 103
 Savino, E., 673, 951
 Savor, S., 516
 Schaeffer, M., 674*
 Scheidy, S.F., 238*, 245, 358*
 Schen, R.J., 615
 Schmid, F., 445, 569
 Schmutzler, R., 496
 Schnurrenberger, P.R., 469*
 Schricker, R.L., 234*
 Schubert, J.H., 184
 Schulz, J.A., 359*
 Schulze, M.L., 194, 195, 695
 Scott, H.M., 509
 Scuppa, L., 104, 551*-553*
 Sebek, Z., 470*, 547, 548, 554*

 Sefer, M., 603*, 657, 658, 660
 Segal, L.S., 832
 Segretain, G., 503*
 Sekariah, P.C., 343, 424*
 Semencova, L.P., 708
 Seppi, I.V., 908
 Serbanescu, F., 581
 Sesnic, R., 98
 Sessi, P., 621, 626*
 Shafershtein, D.L., 806*
 Shal'neva, A.M., 795
 Shapiro, D.M., 857*-859*
 Sharp, C.F., 498*
 Shchit, O.R., 860*
 Sheffy, B.E., 244
 Sheikh, U., 606
 Sherishorina, S.I., 861*
 Shill, O.S., Jr., 222*
 Shimizu, T., 56, 250, 382-385
 Shrivinskaya, A.I., 800, 862*-865*
 Shode, R.R., 471*
 Shotts, E.B., 169, 360*
 Shukla, R.R., 343, 424
 Shutyaev, N.A., 866*
 Sichineva, G.N., 867*
 Sieroslawski, H., 773
 Simons, G.C., 369, 370
 Simpson, C.F., 430*
 Siniak, K.M., 908
 Sjosten, H., 445, 569
 Sleight, S.D., 116, 361*, 362*, 472*
 Slyscho, V.N., 868*
 Smadel, J.E., 943
 Smith, A.N., 523, 528
 Smith, C.E.G., 57, 952*-954*, 955
 Smith, D.J.W., 105, 183
 Smith, H.R., 325
 Smith, J.W., 140
 Smith, R.E., 235*, 351, 363*-365*, 696
 Snyder, P.H., 474*
 Sobeslavsky, O., 549
 Solomon, B., 731
 Soloshenko, I.Z., 869*-872*
 Somasunderam, M., 950
 Son, C., 83, 724
 Sorina, A.M., 882
 Sorina, S.E., 873*
 Sotiriu, E., 661
 Sova, Z., 555*-557*
 Spreafico, J., 157
 Squadrini, F., 366*
 Stanislavskii, E.S., 60, 874*-876*
 Staples, S.A., 76
 Starr, L.E., 78, 698*
 Steele, J.H., 26, 352, 448, 475*, 699*-700*
 Stefanescu, C., 775
 Stefanoic, J., 367*
 Stegmiller, H.E., 469
 Sterescu, P., 581
 Stockard, J.L., 27, 111, 943
 Stoenner, H.G., 106, 499*, 688

Stoica, I., 473*
 Stojanoff, D., 340
 Stojkov, A., 733
 Stroup, J.G., 107
 Stover, R.C., 160
 Sturdza, N., 42*, 201*, 656-658, 660, 877*
 Sturman, R.M., 108
 Suktamova, G.G., 726
 Sula, V., 554
 Susuki, Y., 227
 Sveshnikova, N.P., 878*, 879*
 Swangard, W.M., 241
 Swiss, E.D., 103
 Symington, E.L., 368*
 Szarka, G., 489
 Szemerédi, G., 584, 594
 Szenberg, E., 207*, 376, 613, 614
 Szent-Iványi, T., 394, 741
 Szewczykowski, W., 885, 886
 Szyfres, B., 477*

Takeya, K., 58
 Tammemagi, L., 369*, 370*
 Tartaglia, P., 880*
 Teja, D., 731
 Teodosiev, L., 516
 Terskikh, V.I., 879, 881*, 882*
 Terzin, A.L., 202*
 Teuscher, G., 570
 Themann, H., 49, 224
 Thiel, P.H. van, 28, 277*-279*, 478*
 Thomas, G.M., 203*
 Tison, C., 87
 Titieica, M., 581
 Tjalma, R.A., 469
 Tovie, J.E., 204*
 Toda, T., 58
 Toeda, T., 371*
 Tofan, N., 581
 Tokarevich, K.N., 883*, 888
 Tolgyesi, G., 75
 Tomasic, P., 916*
 Tomse, A., 914
 Tonge, J.I., 223*
 Topciu, V., 83, 132, 205*, 655, 724
 Toshkov, A., 420*
 Toussaint, A.J., 143
 Tozzini, F., 444
 Trainer, D.O., Jr., 206*, 372*
 Treick, R.W., 53, 160
 Troise, C., 672
 Trop, I.E., 884*
 T'Sao, W.C., 934
 Tshemishansky, G., 521*
 Tsouchev, I., 702
 Taubosaki, H., 632*, 709
 Taung-Ch'ang, H., 939
 Tulpan, G., 877
 Turner, L.H., 57, 943, 952-954, 955*
 Turner, L.W., 353, 373*, 374*

Tuszkiewicz, A., 886*
 Tuszkiewicz, R., 885*
 Twishaus, M.J., 401*

Ullrey, D.E., 331, 332

Vachold, J., 532, 543
 Valenti, M., 479*
 Valezuela, M.R., 480*
 van der Hoeden, J., 207*, 243, 375*,
 376*, 481*, 611*-614*
 Vanderkerkove, M., 377*, 568*
 Vaneseltine, W.P., 76
 Van Houte, O., 956*
 van Riel, J., 59, 239*, 431*, 482*, 504*, 957*
 van Riel, M., 59, 431, 504, 957
 van Sande, M., 59
 Vaptzarov, I., 522
 Varela, G., 208*, 944, 958*
 Varfolomeeva, A.A., 60, 887*, 888*
 Varfolomeyeva, A.A., 889*, 890*
 Vasilescu, I., 83, 724
 Vazquez, A., 958
 Vazquez Hoyos, A., 281
 Veltsos, A., 959*
 Veronesi, R., 675*, 676*
 Vicentijevic, C., 891*
 Videla, C.A., 236*
 Vilches Cardenas, F., 677*
 Vornicel, L., 731
 Vosta, J., 547, 548, 550, 558*
 Votjakov, V.E., 740
 Vysotskii, B.V., 892*-903*

Wajswaser, R., 485
 Walther, H., 10
 Wang, C.C., 961*
 Wang Chia Chu, 960*
 Ward, M.K., 493
 Warfolomejeva, A.A., 134, 483*
 Washburn, A.M., 484*
 Watanabe, M., 227, 628
 Webster, W.M., 378*, 379*, 512
 Wedman, E.E., 380*
 Wei-Chi, T., 939
 Wei-Hsun, H., 939
 Weil, V.J., 108
 Wentworth, F.H., 469
 White, F.H., 209*, 425*, 430
 Wiart, J., 97, 564
 Wiesmann, E., 381*, 494
 Wiggins, A.M., 374
 Williams, J.A., 472
 Williams, R.V., 32, 110
 Wilson, J.B., 64, 71
 Witmer, R., 133
 Wojtkowska-Uminska, R., 345, 404, 485*
 Wolff, J.W., 31, 210*-212*, 486*, 500*,
 962*, 963*

Wolff, W.N., 615*
Wolstenholme, B., 502
Wood, G.E., 282*-284*
Woodward, T.E., 27, 111
Woratz, H., 61, 62
Wu, H. T., 84, 938
Wylie, J.A.H., 32
Wysocka, F., 885, 886, 904*.

Yamamoto, S., 227
Yanagawa, R., 56, 63, 64, 382*-385*,
633*-635*
Yeh, H.F., 938
Yezhova, N.G., 905
Yoder, H.W., 386*
York, C.J., 33, 240*
Yoshika, R., 228
Yow, M., 112

Zaharija, I., 213*, 387*, 388*, 906*
Zaitsev, A.A., 907*
Zanagina, P.T., 882
Zardi, O., 66, 389*, 435
Zarubina, L.V., 719, 720, 765
Zastera, M., 417, 536
Zavadovskii, A.I., 908*
Zavate, O., 246
Zazuga, K., 642
Zilberman, L., 83, 724
Zinkiewicz, W., 650*
Zipplies, G., 65
Zivkovic, R., 918*, 919*
Zivkovic, V., 136*, 733
Zureck, F., 390*
Zuschek, F., 241*
Zwierz, J., 651*, 652*, 886, 904
Zwierzchowski, J., 641, 652, 653*
Zwolski, W., 345, 404, 654*